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Department of Agriculture



# DROUGHT RESISTANT PLANTS

"From over the world to  
the world over"

CATALOGUE NO. 4—1939

## KNICKERBOCKER CACTI and SUCCULENT GARDENS

P. O. ROUTE 3  
SAN DIEGO, CALIF.

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MARKET ST. EXT.

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Mr. C. W. Knickerbocker  
Business  
Plant Industry  
Washington D. C.  
Miss Monroe



## FOREWORD

### *Read Carefully*

These prices are F.O.B. San Diego, Calif. Heavy plants will be sent Express Collect or, if sent by mail, postage may be sent upon receipt of plants. This is to insure that I shall not be niggardly in the size of the plants I send you. This does not mean that I'll give you a \$1 plant for 15c, but the best 15c one I have. Please mention when ordering that you will send postage on receipt of plants. "S" indicates seedling.

I do my very best about plant names, but cannot positively guarantee them as too many of them are still in doubt among the expert botanists.

This catalogue supersedes all former ones.

## CULTURAL DIRECTIONS

### Ideal Soil Mixture

Mix 1 part sand, 1 part garden soil, 1 part leaf mould, 1 part well rotted manure and screen. To this mixture add 1 tablespoon of air slaked lime and 1 tablespoon of powdered charcoal to a 5-in. pot. The lime should not be used with *Epiphylla* and related genera.

### Cacti

Globular forms require a small amount of moisture if grown in pots. It is well to have very coarse sand, gravel or broken stones directly under the plant.

Columnar forms may be planted directly in the soil mixture.

A half cup of water to a 5-in. pot each week is sufficient during the growing season for the larger cacti. During the cold or dormant season it is well to water very sparingly. *Epiphylla*, either in pots or in the ground, require shade and plenty of moisture. Cactus plants in the ground do best if kept slightly damp during the growing season.

### Succulents

Succulents, generally speaking, will stand more water than Cacti and a richer, heavier soil. My plants are field grown and very sturdy. They are not at all like the tender plants grown under glass and can be grown out of doors anywhere in the United States during the frostless season if given good drainage so that the base of the plant is not kept unduly wet. In winter water sparingly.

### Fertilizer

The ideal plant food is "Pokon." Weak manure water, given at two week intervals during the growing season only, gives good results.

One thing to remember is, that in the limited root space of a pot or bowl, a plant never reaches its maximum size and many plants in one bowl will remain small.

## CACTUS AND SUCCULENT JOURNAL

Published monthly by the Cactus and Succulent Society of America. Of interest to amateur and scientist. \$3.00 per year includes membership to Society. Address Box 101, Pasadena, Calif., or order from me.

## THE DESERT PLANT LIFE

A worthwhile monthly magazine devoted to Cacti and Succulents. \$1.50 per year. Address Box 68, Pasadena, Calif., or order from me.

## POKON

A plant food particularly suited for Cacti and Succulents. Three sizes: 50c, \$2.00 and \$3.75. Order from Knickerbocker Nursery.

# KNICKERBOCKER NURSERY

AND

## CACTUS GARDEN

NEFF K. BAKKERS, Proprietor

6065 Bach Avenue (Market St. Extension)

P. O. Route 3, San Diego, California

### 1939 CATALOGUE

Prices subject to change for the following reasons:

Small ones becoming large increase in price.

Those of ready propagation becoming numerous  
decrease in price.

## ADROMISCHUS

<i>Adromischus clavifolius (vanderheydeni)</i> . Afr.	Forms dense clusters of thick, olive green, distinctly spotted leaves.	
S. Afr.		15c to 25c
<i>A. cooperi</i> . S. Afr.	Thick, spotted, brown leaves like plover's eggs	25c
<i>A. cristatus</i> . S. Afr.	Green, downy, crenulate leaves in a pleasing rosette	25c
<i>A. maculatus</i> .	A real gem for a pot plant. Purple mottled on a green ground, not common. Small plant	50c

## AGAVE

### The century plant

Suitable for hillsides and large plantings along with *Aloes*.  
A few varieties are small and lovely for urns and smaller pots.

<i>A. americana</i> . Mexico.	Blue gray. Marked like moire silk. In maturity leaves are 6 to 8 ft. long	10c to 25c
var. <i>marginata</i> .	Bordered with yellow	25c
var. <i>medio picta</i> .	Central yellow band	25c
var. <i>variegata</i> .	Variously lined	25c
<i>A. attenuata</i> . Mexico.	Soft green rosettes, unarmed, one of the best	25c, 50c, \$1.00
<i>A. decipiens</i> . Yucatan.	Beautiful stately dark green; curved stiff leaves. Suckers should be kept off, 6 to 8 feet tall mature. Stays small in pots	10c to 25c
<i>A. deserti</i> .	Gray-blue with nice markings	15c to 35c
<i>A. ferdinandi-regis</i> . Mexico.	Very rare. One of the small beautiful varieties similar to <i>victoriae-reginae</i> but differing in fewer leaves and more open rosettes and a triple instead of a single terminal spine	\$1.00
<i>A. ferox</i> . Mexico.	One of the loveliest with waxy concave outcurved dark green leaves. 12 to 48 in long	25c to \$1.00
<i>A. filifera</i> . Mexico.	With white hairs or threads and very slender leaves	25c
<i>A. lophantha</i> .		
var. <i>unvittata</i> . Mexico.	With a pale central band. Unusual looking and never gets large	50c
<i>A. roezliana</i> .		
var. <i>gilbeyi</i> ( <i>A. horrida</i> var. <i>gilbeyi</i> ).	A very beautiful <i>Agave</i> . Slow growing and not very large. Good size	50c
<i>A. shawi</i> . San Diego and Lower Calif.	Handsome; dark green, red teeth	50c to \$2.00
<i>A. victoriae-reginae</i> .	A perfect plant like a piece of carving. Globose; incurved, heavy leaves 8 in. long when mature. Marbled with white	25c to \$1.00

## ALOE

Choice of one each of any 5 marked with asterisk (\*) for \$1.00 postpaid. If you care to pay the postage larger plants will be sent in all collection offers.

Foreword: For canyon hillsides and larger plantings, nothing can exceed the larger *Agaves* and *Aloes*. *Aloes* are a blaze of color when in bloom. There are *Agaves* and *Aloes* to suit every taste and every requirement. Sizes range in both classes from a tea-cup to a garage. Colors of blossoms range from pale yellow or green to orange and brilliant scarlet.

\**A. arborescens*. The Torch or the Red Hot Poker. Forms clumps of enormous size with long spikes of brilliant blooms of orange scarlet.....15c

A. <i>africana</i> . Cape. One of the most beautiful. Heavily warty.	
Handsome glossy flowers.....	50c
A. <i>aristata</i> . Cape of Good Hope. The rarest of small <i>Aloes</i> .	
Very beautiful, like a large <i>Haworthia</i> . Closely set white marginal teeth. Slow to offset and never grows large. Has won a prize wherever shown.....	\$2.50



*Aloe variegata*

A. <i>ausana</i> . Similar to <i>A. variegata</i> but decidedly plumper with more obtuse leaves and better and stronger.....	25c to 50c
A. <i>brunnthalerii</i> . Very beautiful blossoms.....	50c
A. <i>cameronii</i> . A very fine shiny leaved <i>Aloe</i> with beautiful blossoms .....	35c
*A. <i>ciliaris</i> . Cape. The climbing <i>Aloe</i> with exquisite green and red Xmas-candle-like blooms.....	15c to 25c
*A. <i>commutata</i> . Cape. Large and beautifully marked.....	25c
A. <i>distans</i> . Cape. Long, procumbent with exquisite corymb of flowers .....	50c
*A. <i>eru</i> . Tropical Afr. Unique in form and blooms. Flowers dainty, clustered; suitable for bouquets.....	25c
A. <i>ferox</i> . Cape. One of the best. Seldom has offshoots.....	50c
*A. <i>grandidentata</i> . Cape. Beautifully striped. Young plants look like <i>Gasterias</i> and are suited to bowls.....	10c to 25c
*A. <i>humilis</i> . Cape. Makes lovely clumps. Many teeth, grey-green .....	15c
*var. <i>brevifolia</i> . Small enough to be put into bowls or small rockeries. Blue-green. Makes big clusters in the open .....	10c
var. <i>echinata</i> . Smallest of all. Looks more like a <i>Haworthia</i> than an <i>Aloe</i> . Blue-green in color, heavily warty, slow to increase. Good bloomer.....	50c
var. <i>incurvata</i> . One of the smaller types. Not common.....	35c
A. <i>longistyla</i> . Sky blue seedlings. Heavily toothed; charming red blossoms .....	25c
A. <i>mitriformis</i> . Cape. Lovely; warty. Each leaf has a central line of protuberances distinguishing it from <i>A. nobilis</i> . Blossoms like a dainty parasol.....	25c to 50c
*A. <i>nobilis</i> . Cape. Similar to foregoing but much more prolific and a lighter green.....	15c to 35c
A. <i>robusta</i> . Blue green; heavily marginate teeth; lemon and orange blossoms .....	25c to 50c
A. <i>salm-dyckiana</i> . S. Afr. Large, with bold, big spikes of orange red.....	25c to \$1.00

<i>A. saponaria variegata.</i>	Variegated with yellow stripes.....	25c..
* <i>A. spinosissima.</i>	Beautiful bluish green, long toothed, giving it a feathery look. Contrasting vivid scarlet blooms.	25c to 50c
* <i>A. striata.</i>	Cape.....	25c to \$1.00
	var. <i>rhodocinta (handburyiana)</i> . Large with purple shadings. Many offshoots.....	15c to 25c
<i>A. striatula.</i>	Cape. Resembling <i>A. ciliaris</i> in form. Yellow blooms .....	25c
* <i>A. thraski.</i>	A drooping, different, large growing Aloe.....	50c
* <i>A. variegata.</i>	Cape of Good Hope. The most popular and unique. Noted for its variety of common names; Parrot, Whip-poor-will, Pheasant's Breast, Tiger Cactus, etc. Everyone should have one. A most beautiful pot plant .....	25c to \$1.50
* <i>A. vera.</i>	Lovely pastel grey green with satiny smoothness. Pure yellow blooms. An aristocrat.....	15c to 25c
<i>A. zebrina. (baumi).</i>	Tropical Africa. 3 to 4 ft.....	35c
<i>Altamiranoa elongata.</i>	Curious Mexican plant looking like elongated clover heads.....	25c
<i>Anacampseros telephiastrum.</i>	S. Afr. Small, succulent plant with thick leaves and lilac fls.....	15c
<i>A. tomentosa</i>	.....	50c

### BROMELIADS

*Billbergiae* bear blossoms of unique beauty with startling combinations of color.

<i>Billbergia nobilis.</i>	Large leaves covered with grey bloom. Large flower .....	50c
<i>B. nutans.</i>	Brazil. Blossoms vivid green with purple margins rising from a pink sheath.....	25c
<i>B. nutans x pallida.</i>	Lovely leaves of shining brown with gold dots .....	50c
	Dyckias are like small pineapple plants with tall racemes of deep yellow to orange plush flowers.	
<i>Dyckia rariflora</i>	.....	15c to 25c
<i>D. sulphurea</i>	.....	15c to 25c
<i>Guzmania lingulata</i> var. <i>cardinalis</i> .	Colombia. Like a pineapple plant with brownish, green leaves turning a vivid red when ready to bloom. It bears a cluster of orchid, waxen blossoms on a thick, red stalk. Grows in the open to be 3 ft. across. "The Heart of Flame".....	25c to 50c
<i>Byrnesia weinbergi.</i>	Mexico. "Ghost Plant." Pinkish-bluish-opalescent. Very beautiful and easily propagated, hence cheap .....	10c to 25c

### COTYLEDON

<i>C. barbeyi.</i>	Powdery gray with red margins.....	25c
<i>C. decussata.</i>	Red margins and fine shape.....	25c
	var. <i>gilpini</i> . With occasional mitten shaped leaves.....	25c
<i>C. mucronata.</i>	Also known as <i>undulata</i> and <i>coronata</i> . Africa. The loveliest of all. Thick, opalescent, downy leaves with deeply crenulated edges.....	50c
<i>C. orbiculata.</i>	S. Afr. Similar to <i>barbeyi</i> but coarse and big beside it bearing, like all of the Cotyledons, a drooping cluster of lovely blooms.....	15c to 25c
	var. <i>macrantha</i> . Green with red edges. Wonderful red blooms at Xmas time. A true Xmas plant.....	25c
<i>C. teretifolia.</i>	Green downy leaves nearly cylindrical. Bright red flowers .....	25c

### CRASSULA

Choice of any ten of the following marked by an asterisk (\*) \$1.00 postpaid.

* <i>C. arborescens.</i>	Cape. Requires shade. Dull grey with purple margins. Slow propagator. Matte finish.....	25c
<i>C. archerii.</i>	Very unique; a complex pyramid.....	50c
* <i>C. collinberi.</i>	Leaves pointed, thick; in rosettes that turn beautifully red in the sun and bear a spike of pretty pink posies .....	15c to 25c
<i>C. cooperi.</i>	Dainty, small with delicate pink blooms.....	15c
* <i>C. cordata.</i>	Small leaves; a vine well suited to hanging baskets; fairy-like pink blooms.....	10c
<i>C. dregeana.</i>	Flowers identical to <i>C. falcata</i> , but crimson rather than scarlet. Leaves downy and blue grey.....	25c
* <i>C. elata.</i>	A good plant for hanging baskets and to plant in rocks. Pyramidal growth, but drooping. Fragrant flowers..	15c

* <i>C. falcata</i> .	One of the best. Blue grey matte surface; unique in shape. Brilliant orange-scarlet clusters of flowers.	25c up
<i>C. hemispherica</i> .	Flat inlaid rosette; very attractive.	25c
<i>C. longifolia</i> .	Blossom almost identical to that of <i>C. falcata</i> but plant grows to be 4 ft. tall.	35c to 50c
* <i>C. lycopodioides</i> .	Common. Kept boxed and trimmed makes a fine border.	10c



*Cotyledon teretifolia*

* <i>C. marginata</i> .	Procumbent, shining.	15c
* <i>C. monticola</i> .	Similar to <i>perforata</i> . Pink blossoms.	15c
* <i>C. multicava</i> .	Good for hanging baskets but too prolific for a garden.	10c
* <i>C. obvallata</i> .	Rosette of basal leaves, elongated stalk of flowers.	25c
* <i>C. perforata</i> ( <i>perfossa</i> ).	Buttons on a string or Chinese money. Desirable for bowls. Unique.	10c to 25c
* <i>C. portulacae</i> .	Commonly called <i>arborescens</i> . Suitable for narrow parkings. Shining thick bronzed leaves. Pink blooms.	15c to 50c
* <i>C. pseudolycopodioides</i> .	Dark green. Suitable for bowls because of graceful angles.	10c
<i>C. pulvinata</i> .	Powdery gray leaves. A fine figure of a plant.	35c
<i>C. rosularis</i> .	Flat rosette. Similar in design to <i>Aeonium tabulaeforme</i> , but with shiny leaves.	35c
* <i>C. sarmentosa</i> .	Shiny green leaves. Pendant. Good for hanging baskets.	15c
<i>C. schmidtii</i> . ( <i>impressa, rubicunda</i> ).	Blooms all summer; a dainty, little thing for rockeries. Clusters of tiny, deeply rose colored flowers. Charming.	15c to 25c
* <i>C. spathulata</i> .	Partly creeping with delicate flowers; suitable for hanging baskets.	15c

* <i>C. tetragona</i> . Cuttings in bowls resemble trees. Easily rooted.	
Brittle	10c
* <i>C. trachysantha</i> . Small shrub, very tomentose. White blooms.	20c
Allied plant: <i>Rochea coccinea</i> . ( <i>rubicunda</i> var. <i>brilliancy</i> ). Lovely red blooms.	25c

## DUDLEYA

### Close Relatives of ECHEVERIA and COTYLEDON

<i>D. brittoni (ingens)</i> . The lovely, pure, white, powdery Dudleya from Lower California.	25c to 75c
<i>D. caespitosa</i> . Native of California. Slender grey leaves with purple tips. Clustered	25c
<i>D. candida</i> . Rare, from Coronado Islands. Pure white. Double, beautiful	50c to 75c
<i>D. farinosa</i> . Grey; red brown tips. Powdery. An exquisite pot plant from Carmel, Calif.	15c to 25c



Dudleya candida

<i>D. lanceolata</i> . Native of S. Calif. Attractive, iridescent leaves and red flowers.	25c
Allied plants: <i>Styllophyllum edule</i> . San Diego, Calif. Unusual looking pencil like leaves.	15c
<i>Styllophyllum orcutti</i> . Smaller than the above with greyish, powdery leaves. Attractive; small.	25c

## ECHEVERIA

One of each of any 8 marked with asterisk (\*) \$1.00 postpaid U. S. A. Large ones if you pay the postage.

* <i>E. carnicolor</i> . Delicate, long, narrow leaves. Small, flat type.	25c
<i>E. corderoyenii</i> . Very thick, sharply pointed, yellowish green leaves	25c
<i>E. crenulata</i> . ( <i>rosea-grandis</i> ). One of the largest and most beautiful. Curving leaves with bright red margins. Grows very large	20c to \$1.00
<i>E. crispa</i> . Similar to <i>E. crenulata</i> but grows larger	20c to \$1.00
<i>E. derenbergii</i> . Pale green, thick leaves with orange colored fls. Very attractive	25c
* <i>E. elegans</i> . Pale bluish green, translucent as if made of wax with pink waxen blossoms.	15c to 35c
* <i>E. funckii</i> . ( <i>australis</i> ). Flat; grey, green matte-finish rosettes.	15c
* <i>E. gibbiflora</i> . var. <i>flammea</i> . Highly colored with lovely blooms lasting 4 months	15c to 50c
var. <i>true metallica</i> . Similar to preceding but more opalescent in color	50c

* <i>E. glauca-metallica (rosea)</i> . Somewhat like <i>E. secunda-glaucha</i> but with waxy leaves and purple shadings.....	15c to 25c
* <i>E. globosa</i> . Pale bluish, very full of offsets.....	15c
<i>E. grandifolia</i> var. <i>viridens</i> . Free bloomer, beautifully colored leaves .....	25c
* <i>E. harmsi</i> . ( <i>Oliveranthus elegans</i> ). Flowers lovely, gold lined, scarlet bells.....	15c to 25c
<i>E. hoveyi</i> . One of the most lovely with long, grey, green leaves and pinkish variegations. Shade loving.....	15c to 25c
<i>E. imbricata</i> . (so called). Enormous in size, beautifully colored iridescent hues. Very waxy leaves.....	35c to 75c
<i>E. leucotricha</i> . A distinct <i>Echeveria</i> with a remarkable pubescence. Scarlet blossoms. Scarce because slow to propagate.....	30c to 50c
* <i>E. linguaefolia</i> . Thick, fleshy, pale leaves. Flowers cream colored. Individual .....	15c
<i>E. macrophylla</i> . The largest of the <i>Echeverias</i> and very beautifully colored. Grows to 2 ft.....	50c
* <i>E. multicaulis</i> . A charming little <i>Echeveria</i> . Shining leaves that turn red in the fall.....	15c to 25c
<i>E. nivalis</i> . Gray blue with rosy tips.....	35c
<i>E. nodulosa</i> . A shrubby plant. Leaves striped with purple. Unlike any of the others.....	25c
<i>E. orpeti</i> . Very handsome red hybrid.....	35c
<i>E. peacocki (desmetiana)</i> . Grey blue, powdery; like a piece of carving. Red tipped, beautiful.....	15c to 25c
<i>E. pittieri</i> . Similar to <i>venezuelensis</i> .....	25c
<i>E. pubescens (pringlei, mexicana)</i> . Downy; lovely scarlet blooms .....	15c
var. <i>recurvata</i> . ( <i>pringlei</i> var. <i>tortuosa</i> ). Attractive curling leaves .....	25c
<i>E. pulvinata (villosa)</i> . Very similar to <i>leucotricha</i> but having red bordered leaves.....	35c to 50c
<i>E. pulvinata x coccinea</i> . Not so highly colored as the above with longer flower racemes.....	25c



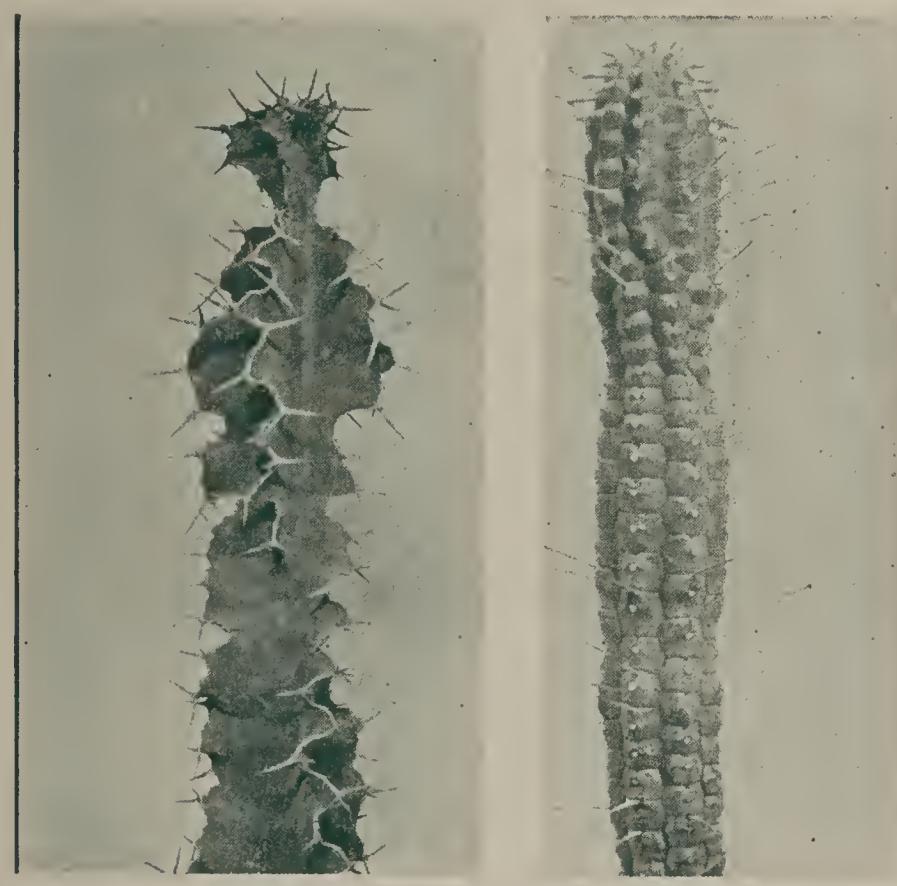
*Echeveria linguaefolia*

<i>E. rubella</i> . Green with iridescent shades; beautiful fls.....	25c
<i>E. runyonii</i> . Pearly rosette of great beauty with exquisite fls.....	35c
<i>E. sanguinea</i> . With deep red leaves. Likes plenty of heat. Will not grow in the open. Very rare.....	50c
<i>E. scaphophylla</i> . Heavy, thick, green leaves. Not very common .....	25c
* <i>E. secunda-glaucha</i> . The common hen and chickens. The true <i>imbricata</i> .....	10c
<i>E. setosa</i> . Dense globular rosette. Green leaves and orange flowers both entirely covered with bristles. A perfect pot plant.....	15c to 50c
* <i>E. simulans</i> . In form like a water lily. Yellow green leaves with red tips. Lovely.....	15c to 25c
* <i>E. stolonifera</i> . Spreading light green.....	10c
<i>E. sub-rigida</i> . ( <i>stanleyi</i> ). Dense mat, bluish green tinged with purple or bright red. Exceedingly fine.....	15c to 35c
<i>E. turgida</i> . Rare. Flat, gray rosette, red tipped.....	75c
<i>E. weingarti</i> . Deep green, shining, handsome, small var.....	25c
<i>E. gigantea x B. weinbergi</i> .....	25c
* <i>E. elegans x weinbergi</i> .....	10c

## EUPHORBIA

Euphorbias are to the African what the Cacti are to the American Desert.

<i>E. abyssinica.</i> Three in. cuts.....	\$1.00
<i>E. alcicornis.</i> Flat deeply cut green stems. Grows very, very tall.....	25c to \$1.00
<i>E. antiquorum</i> .....	50c up
<i>E. aphylla (candella).</i> Native of Texas. Low reeds with pink flowers.....	25c to 35c
<i>E. bubalina.</i> 8 to 12 ins.....	50c to \$1.00
<i>E. canariensis.</i> Canary Islands. Four angled; bronze green. Grows large. 4 in. to 4 ft.....	25c to \$4.00
<i>E. antiquorum</i> .....	50c up
<i>E. caput-medusae major.</i> Similar to the following but much larger. Beautiful heads of flowers.....	25c to 50c
<i>E. caput-medusae minor.</i> One of the most interesting pot plants. Many snaky stems from a round central head..	25c to \$1.
var. <i>commelini.</i> Cape region.....	50c to \$1.00
var. <i>procumbens</i> .....	50c to 75c
var. <i>viperina</i> .....	50c to \$1.00
* <i>E. cerieiformis.</i> Cape region. Many ribbed.....	15c to 50c
<i>E. clava.</i> South Africa. Branching main stem covered with hexagonal tubercles and bearing a rosette of leaves at top..	35c
<i>E. coerulescens.</i> S. Africa. 4 to 6-angled bordered with tooth-like spines. Two to three inches thick.....	50c to \$3.00
<i>E. enopla.</i> Similar to <i>heptagona</i> but has more spines. Branching. Grows to 1 ft. high. Africa.....	25c to 50c
<i>E. frickiana.</i> One of the smallest <i>Euphorbias</i> . A unique little plant .....	75c
<i>E. globosa.</i> Peculiar pendant growth.....	35c up
<i>E. grandicornis.</i> S. Afr. Probably the most striking of all the tall growing <i>Euphorbiae</i> . Looks more like a Cactus than many of the Cacti.....	50c to \$5.00
* <i>E. grandidens.</i> S. Africa. Slender, with many marginal spines on a deeply dentate margin. Makes a shrub of great interest .....	25c to \$5.00



*Euphorbia grandicornis* (left). *E. mammillaris* (right).

* <i>E. heptagona.</i> Cape of Good Hope. Very pretty, branched, pot plant. Single stems.....	35c
<i>E. hermentiana.</i> Used by natives of W. Africa as totem poles, for building hedges and poisoning arrows. Marbled, angled, branched.....	\$1.00 up
<i>E. lactea.</i> East Indies. Three angles with marbled, white markings .....	25c up
<i>E. ledienii</i> .....	35c
* <i>E. mammillaris.</i> Cape region. Called the "Corn Cob," which it resembles.....	15c to 25c
<i>E. meloformis.</i> Cape region. Dark green, globular with depressed centers. One of the three globular forms. 1½ in. to 3 in.....	50c to \$1.00



*Euphorbia meloformis*

<i>E. morenii</i> . . . . .	50c
<i>E. nerifolia</i> . India. Shrubby. Grows to 6 or 7 ft., 8 to 10 in. in diam. Heavily horned stem with large leaves . . . . .	50c up
<i>E. obesa</i> . S. Afr. Globular, marked like a piece of gingham and very fascinating. 1 in. to 1 3/4 in. . . . .	75c to \$1.25
<i>E. ornithopus</i> . The bird foot. Cylindrical straggling joints . . . . .	30c
<i>E. pentlandi</i> . Handsome blue green red spines . . . . .	50c to \$1.00
<i>E. pfersdorffii</i> . Africa. Attractive miniature plant with red spines and many heads . . . . .	25c to 75c



*Euphorbia obesa*

<i>E. pseudocactus</i> . Profusely marbled with white sharply angled ribs . . . . .	25c up
<i>E. resinifera</i> . S. W. Morocco. 4-angled, many branches, yielded the Euphorbia Gum of the Ancients . . . . .	25c to \$2.00
<i>E. schimperi</i> . . . . .	15c to 25c
<i>E. similis (natalensis)</i> . Natal. Looks like a large Cereus. . . . .	\$1.00 to \$10.00
* <i>E. splendens</i> . Madagascar. "Crown of Thorns." A lovely pot plant with red flowers almost continual. Can be twisted and trained into many forms . . . . .	25c to \$2.50
<i>E. susannae</i> . Branched plant . . . . .	\$1.00
<i>E. tetragona</i> . Rooted cuts . . . . .	50c
* <i>E. tirucauli</i> . S. Asia . . . . .	15c
<i>E. trigonus</i> . . . . .	35c
<i>E. uncinata</i> . Africa. 2 to 4 angled; very green . . . . .	50c
<i>E. veninata</i> . Rooted cuts. Pale-blue, white margins, rare . . . . .	\$1.50
* <i>E. xylophyloides</i> . Madagascar. Interesting, fine. Flat, thick, 1/2 in. wide, leaf-like branches . . . . .	25c up

## GASTERALOE

*Gasteraloes* are hybrids of *Gasterias* and *Aloes* usually marked like the *Gasterias* and formed in rosettes like most of the *Aloes*.

*G. beguini*. Dark green, heavily warted. Looks like a *Haworthia* but larger and very good. .... 15c to \$1.00

*G. mortolensis*. Smooth, mottled, light green, heavy leaves. 25c up

*G. pethamensis*. A dark, beautifully mottled plant. .... 15c to \$1.00

## GASTERIA

*Gasterias* are charming, generally two ranked plants. The leaves are commonly green mottled with white. Africa. They are 25c to 50c

*G. aicnacifolia* ....

*G. brevifolia* ....

*G. carinata* ....

*G. dicta*. Very cespitose ....

*G. latifolia* ....

*G. maculata*. Beautifully mottled glaucous variety becoming pink in the sun. ....

*G. nitens*. Similar to *maculata* but leaves longer and thinner. ....

*G. obscura* ....

*G. punctata* ....

*G. spiralis*. Grows to a very large size for this genus. ....

*G. sulcata*. A large variety with very smooth leaves and decidedly different from the other *Gasterias*.

*G. verrucosa*. One of the finest. Strictly two ranked. Heavily warted.

*Graptopetalum amethystinum*. Mexico. Like most of them in this genus, beautifully colored ..... 75c

## HAWORTHIA

One of each of any 5 marked with asterisks (\*) postpaid, \$1.00.

*Haworthias* are all small, clustered plants, the leaves usually green and windowed or covered with small white dots and are suitable for pots. Africa.

*H. atrovirens*. Very small; dark green compact. .... 25c

\**H. attenuata*. Very warted, tightly cupped leaves. Grows in full sun in Africa on rocky ground. .... 35c

var. *clariperla*. Very beautiful; dark green heavily warted. 35c

*H. chalwini*. Similar to *reinwardtii* in growth. Darker green and much rarer. .... \$1.00

\**H. coarctata*. Slender and faintly warted; red in sun. Dark green in shade. .... 25c

\**H. cymbiformis*. Window Plant. Very light green; translucent and cespitose. .... 10c to 25c

*H. cuspidata*. Similar to the above but grows larger and more tightly cupped. .... 35c



*Haworthia margaritifera* var. *granata*

<i>H. fasciata</i> var. <i>caespitosa</i> . Very striking with warts in distinct bands. One of the best.....	50c to \$1.00
<i>H. glabrata concolor</i> . A very fine, dignified, upstanding <i>Haworthia</i> .....	35c
<i>H. laetevirens</i> . Translucent, pointed leaves.....	25c
<i>H. margaritifera</i> . Very good. Leathery; heavily warted; dark .....	15c to 50c
var. <i>granata</i> . Much heavier pearls and rarer plant. Grows on coast in Africa in full sun. Handsome.....	50c to \$1.00
<i>H. metallica</i> . One of the rare ones. Darkly iridescent with fine dots .....	50c to \$1.00
<i>H. pilifera</i> . One of the real window <i>Haworthias</i> .....	\$1.00
<i>H. pseudo-rigida</i> . Sharply angled. Dark.....	15c to 50c
* <i>H. radula</i> . Crowded with tiny tubercles on both sides of leaves .....	20c to 35c
<i>H. reticulata</i> . A large interesting translucent type. Offsets.....	35c
<i>H. retusa</i> . "The Fairy's Table." Translucent window plant.....	\$1.00
<i>H. reinwardtii</i> . A beautiful, verrucose, little plant.....	35c to 50c
<i>H. rigida</i> . Concave, rather wrinkled leaves. Very erect.....	35c
<i>H. rugosa</i> . Slender, finely warted.....	35c
<i>H. schmidtiana</i> . Dark, leathery, unusual.....	50c to \$1.00
<i>H. semiglabrata</i> . One of the best.....	\$1.00
<i>H. skinneri</i> .....	50c
* <i>H. tessellata</i> . Thick, nicely lined leaves. Beautiful shape, dark and glabrous .....	25c
var. <i>englerti</i> . The varieties differ very slightly.....	50c
var. <i>recurva</i> .....	50c
<i>H. turgida</i> . A very smooth flat rosette window plant.....	50c
Allied plant: <i>Apricra pentagona</i> . Smooth, light green, very rigid leaves .....	25c
<i>Hesperaloe rubriflora</i> . Texas. Large rosette with hairy leaves. Red flowers on a long stalk. Blooms all summer. Good.....	50c

### IDRIA

<i>I. columnaris</i> . "The Living Telegraph Pole." Very curious plant from Lower Calif. Looks like an inverted parsnip bristling with many, slender, thorny branches. From 4 in. to 12 in. tall and from 1½ in. to 4 in. in diam.....	\$1.50 to \$3.00
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<i>Jatropa berlandieri</i> . Texas. Distinctive plant with an above ground tuber; deeply cut leaves and scarlet flowers. Deciduous in winter.....	50c to \$1.00
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### KALANCHOE AND BRYOPHYLLUM

Only a slight difference between the two in the juxtaposition of the filaments and the corolla tubes.

One of each of any 8 marked with an asterisk (*)	\$1.00 postpaid.
* <i>K. aliciae</i> . Downy leaves with lovely red blossoms.....	15c to 25c
* <i>K. daigremontana</i> . Madagascar. A curious plant with deeply serrated, mottled leaves; flowers interesting.....	15c
<i>K. dyerii</i> . Beautiful crimson fls.....	25c to 35c
<i>K. tubiflora</i> x <i>daigremontana</i> . Dr. Houghton's hybrid. Very good .....	25c
* <i>K. foedtshenkoi</i> . Violet tinted leaves, very charming flowers, delicate salmon. A very lovely thing. Keep in the sun. ....	15c to 25c
<i>K. flammea</i> . Tropical Afr. Downy, green leaves; red fls.....	50c
* <i>K. glaucescens</i> . Tropical Afr. Large with beautiful blue leaves and interesting fls.....	15c to 25c
* <i>K. marmorata</i> . Abyssinia. Curious, large with large purple spots in great profusion.....	15c to 25c
<i>K. orgyalis</i> . Soft, brown, pubescent leaves; yellow upright fls. ....	50c to \$1.00
<i>K. pilosa</i> . One of the best. Very downy. Brown spots on edges of leaves. Small.....	25c to 50c
* <i>K. pinnatum (calycinum)</i> . Tropical Afr. The common sprouting leaf. Prolific with long tubular flowers.....	15c
<i>K. rotundifolia</i> . 3 ft. high with leaves to 2 in. long and orange or yellow fls. ....	10c
<i>K. somaliensis</i> . Somaliland. Heavy dentate leaves shaded with rose. A nice plant with pure yellow fls.....	15c to 25c
<i>K. thyrsiflora</i> . Looks like an Echeveria. Large gray red tipped leaves covered with powder. Blossoms creamy in large stalk. Handsome .....	25c to 50c
* <i>K. tubiflora</i> . Very prolific, hence cheap but very queer and with lovely blooms. A bed of them is a fine sight. "Hollywood Palm".....	10c to 25c



*Kalanchoe* hybrid (center). Parents on left and right.

<i>K. welwitschi</i> . Beautiful, plum colored leaves. Burnt orange, upright fls. ....	35c
Allied plants: <i>Kitchingia mandrakensis</i> . Madagascar. Arrow shaped leaves, brownish-grev, pubescent. A very unusual and interesting plant.....	25c to \$2.00
<i>Kitchingia</i> species much browner. More deeply indented leaves new. ....	50c and \$1.00

### KLEINIA

One of each of any 6 marked with asterisk (\*) \$1.00 postpaid, U. S. A.

<i>K. anteuphorbiaum</i> . S. Afr. Thick stems; tall.....	15c
* <i>K. articulata</i> . S. Afr. A blue candle plant with pretty leaves sprouting from the top.....	15c
<i>K. crassissima</i> . Madagascar .....	25c
<i>K. fulgens</i> . Natal. Bright red fls. on a gray-blue plant.....	50c
* <i>K. mandraliscae</i> . S. Afr. Larger than <i>repens</i> but otherwise similar. Very blue leaves.....	15c
<i>K. (notonia) pendula</i> . A closely allied plant with red flowers and thick, dark, green stem striped with purple. The "Inch Worm" .....	50c
* <i>K. radicans</i> . S. Afr. Creeping, with thick, short leaves. Striped with purple; fragrant flowers; good for hanging baskets .....	15c
* <i>K. repens</i> . S. Afr. The smallest of the blue, tubular leaved <i>Kleinias</i> .....	15c
<i>K. stapeliaformis</i> . S. Afr. One of the best <i>Kleinias</i> . Clear emerald green stems marbled with white. Flower a tuft of bright red on a long stem. Beautiful.....	25c
<i>K. tomentosa</i> . S. Afr. Rare, pure white.....	50c
* <i>K. tropeaefolia</i> . Arrow shaped leaves. Attractive.....	15c
Manfredas are close relatives to the Agaves.	
<i>Manfreda brachystachys</i> . Mexico.....	50c
<i>M. variegata</i> . var. <i>gigantea</i> . Mexico. Large, purple dots.....	50c

### MESEMBRIANTHEMAE

Shrubby and Creeping Types

The following, unless otherwise marked, are 2 for 25c.

<i>Aptenia cordifolia</i> . Old fashioned variety. From Africa. Small, thick, green leaves; tiny magenta fls. Used for many years in hanging baskets.
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*Carpobrotus edule*. Yellow flowers. Large, coarse plant for cliffs or ground cover.

*C. aequilaterale*. Coarse large plant with pink flowers.

*Cephalophyllum alstonii*. Dense tufts of erect, grey, finger-like leaves. Cherry red flowers; one of the most beautiful of Mesem. flowers..... 15c to 35c

*C. anemoniflorum*. Creeping with one of the finest fls of apricot with white center.

*C. spongiosum*. Four in. rose pink fl. with a 2 in. golden center. A honey..... 35c

*Corpuscularia lehmanni*. Velvety green plants, beautiful cream colored fls.

*Delosperma echinata*. Warted, translucent, crystalline foliage.

*Drosanthemum speciosum*. One of the most beautiful of shrub by types. Burnt orange flower with black center.

*D. species*. A mound of green dotted with yellow fls.

*Hymenocallis herrei*. Fast growing; old gold fls.; heavy bloomer.

*H. purpureo-croceus*. The most constant bloomer and best for holding soil to hillsides. Burnt orange blossoms; reverse side magenta.

*Mesembryanthemum aureum*. One foot tall. Flowers light orange.

*M. blandum*. Two ft. Flowers 2 to 3 in. Pure white, later turning to rose.

*M. browni*. Small leaved, large, spreading. Flowers, size of a dime; burnt orange turning to rose.

*M. caulescens (deltoides)*. Grey blue, large 2 ft. shrub. Flowers lavender like New England aster.

*M. filicaule*. Small creeper; delicate rose pink blossoms. Fine ground cover for small places.

*M. glaucum*. Very erect with lemon colored blooms.

*M. ecklonis*. 1/2 in. white, fragrant fls.; creeping.

*M. maximum*. Large, grey green with lavender blossoms. Rooted cuttings charming in bowls.

*M. muricatum (deltoides cristatum)*. Low form, gray green; lavender blossoms. Similar to *caulescens*. Perfect in rock gardens.

*M. productum*. S. Afr. A dwarf succulent with crowded leaves and pale, rose fls.

*M. roseum*. Creeping, small pink lavender flowers like wild asters.



*Mesembryanthemum schicki*

*M. schicki*. Hybrid of *Delosperma echinata* and *Glottiphyllum linguiforme*.

*M. spectabile*. Small lavender blossoms.

*M. tenuifolium*. Large, winter blooming, free flowering. Deep vivid purple.

*M. uncinatum*. Erect, slender leaves; delicate thin rayed lavender blossoms, size of a dime.

*Ruschia crassa*. Delicately beautiful, white fls. with curling, narrow rays. Fairylike, fragrant.

*R. steingroeveri (piscotorum)*. Smells like fish.

## MESEMBRIANTHEMAE

### Stemless or Non-Shrubby Types

*Acrodon bellidiflorus*. Beautiful blossoms like a bellis daisy.

Hence its name..... 15c to 25c

*Argyroderma testiculare*. Leaves silver-grey; flowers yellow

pink to white. Very rare. One of the mimicry plants.

Grows in grey-green quartz..... 50c

*Bergeranthus vespertinus*. Low with green, pointed leaves; yellow flowers, orange reverse..... 15c

*Cheirodopsis cherri-bella* ..... 35c

*C. cigarettifera*. Tubular leaves, yellow blossoms..... 25c

*C. caroli-schmidti*. Grey thick leaves in pairs. Interesting..... 25c

*C. peculiaris* ..... 35c



*Faucaria tigrina*

*Faucaria felina*. Very green..... 35c

*F. lupina*. The wolf. Very long teeth.....

*F. superba*. Greyish with white spots. Beautiful..... 25c

*F. tigrina*. Green. Neat rosettes edged with long teeth..... 15c

*F. tuberculosa*. Heavily warted. The most beautiful of the

*Faucarias* ..... 75c

*Fenestraria rhopalophylla*. "Babytoes." One of the most interesting of window plants. White blooms with yellow centers .....

25c

*Glottiphyllum depressum*. *Glottiphyllums* are large leaved, thick and juicy with large, yellow flowers..... 15c

*G. linguiforme*. Curved, flat leaves very dark green..... 15c

*G. neli*. Grey, green with especially beautiful yellow flower and extremely thick leaves..... 25c

*G. propinquum*. Leaves not quite so heavy as above..... 15c

*Hereroa odorata*. Small plants suitable for bowls because of queer shape. Night blooming, sweet scented..... 15c to 25c

*H. stanleyi*. Low green plants with scimitar-shaped leaves; yellow flowers .....

15c

*Lithops* are the peculiarly formed and beautifully marked little stone faces. Look like anything but a plant.

*L. comptonii* ..... 35c

*L. fulleri*. One of the most beautiful..... 50c

*L. olivacea*. Olive green..... 35c

*L. kewensis* ..... 35c

*L. lesleii*. Living stones..... 25c

*L. mundtii* ..... 35c

*L. pseudotruncatella* ..... 35c

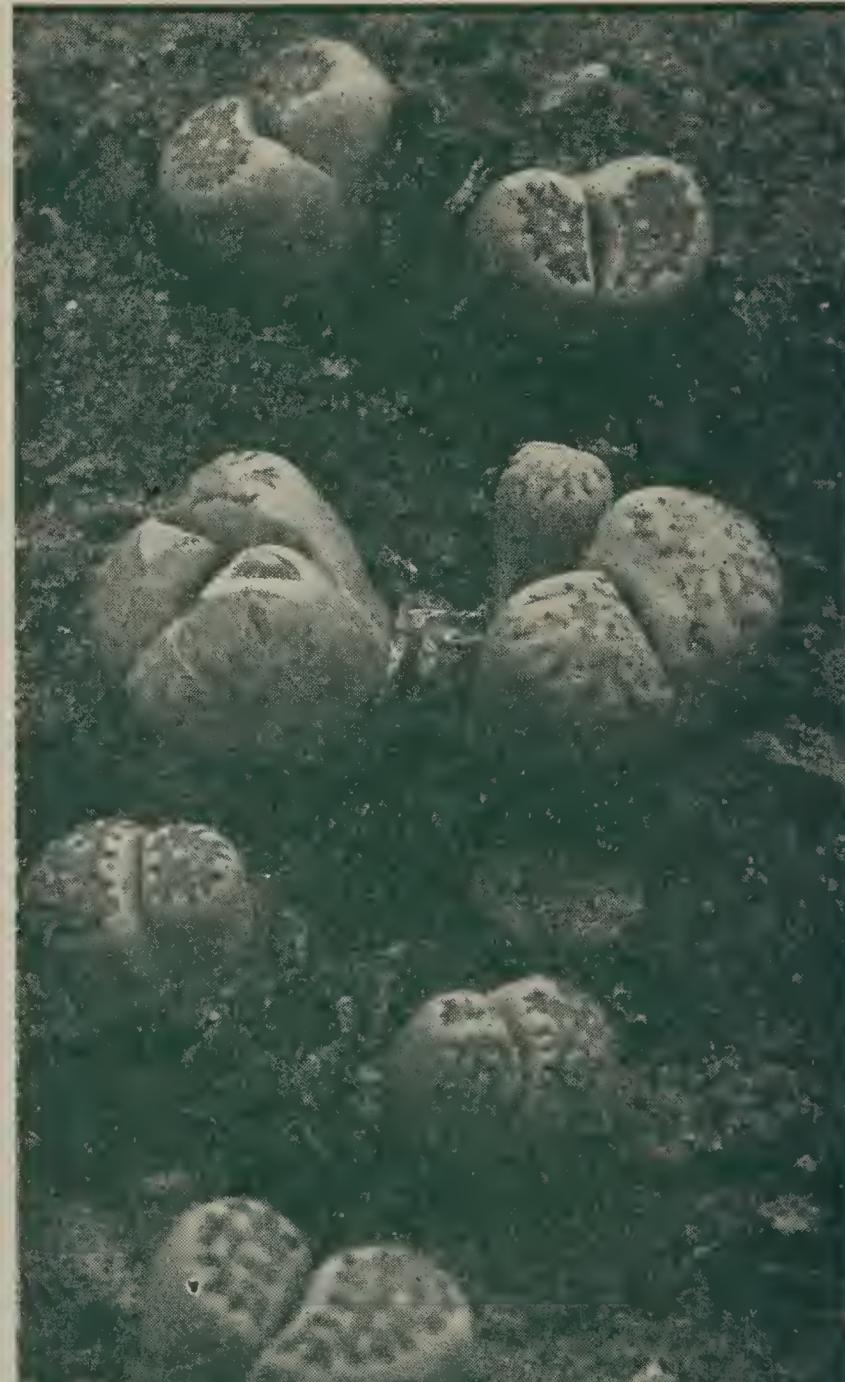
*Pleiospilos* are queer stone faced plants with thick angular leaves.

*P. bolusii*. One of the best of stone faces..... 50c

*P. magnipunctata*. Strange plant; yellow blossoms tipped with orange .....

25c

<i>P. neli</i> . Tricolor flower shading from white, through yellow to coppery apricot.....	50c
<i>P. simulans</i> . Flat surfaced, grotesque, bizarre.....	25c, 50c, \$1.00
<i>Rhombophyllum rhomboideum</i> . Dark green truncated leaves; very flat yellow flowers.....	15c
<i>Stomatium agninum</i> . Thick leaved interesting plants. Yellow flowers .....	15c
<i>S. fulleri</i> . Charming plant, toothed leaves. Fringy yellow blossoms .....	15c
<i>Trichodiadema bulbosum</i> . A very low, curious plant with small, purple blooms and long, bulbous roots. Perfectly suited for borders .....	15c
<i>T. intonsum</i> . Similar to <i>T. bulbosum</i> . Flower white.....	25c
<i>T. stellatum</i> . Low tufted plant with groups of stiff hairs on each tuft, making them resemble cactus. Lavender flowers..	25c



*Lithops fulleri*

## OTHER SUCCULENTS

<i>Othonna crassifolia</i> . Creeping, interesting plant with fat, short leaves like elongated beads. Yellow flowers small daisy.....	15c
<i>O. carnifolia</i> . Similar to above with more ordinary leaves.....	15c
<i>Pachyphytum brevifolium</i> . Pink hues. Exquisite.....	35c to 50c
<i>P. compactum</i> . Mexico. Small futuristic rosettes with blue and grey markings. An interesting plant.....	15c to 25c
<i>Pachyveria clevelandi</i> ( <i>Echeveria nobilis</i> ). Full sun to bring out its lovely, purplish colors. Medium size and very prolific .....	35c
<i>P. La Rochette</i> . One of the newer iridescent hybrids.....	35c
<i>P. schiedeckeri</i> . Very blue.....	25c
<i>Portulacaria afra</i> . Food for elephants in Africa. A beautiful shrub with thick, small, shining leaves on a dark red stem. 15c up	



*Sedum guatamalense*

### SANSEVERIA

<i>S. aethiopica</i> .	Wide green leaves with red edges. Very beautiful	50c to \$1.00
<i>S. cylindrica</i> .	An unusual plant with mottled, tubular pointed, stiff leaves in two ranks up to 2 ft. in length. Small plants.	25c
<i>S. laurenti</i> .	A yellow margined variety of <i>trifasciata</i> .	25c to 50c
<i>S. para</i>		25c
<i>S. trifasciata (zeylanica)</i> .	The Leopard Plant. Suitable for pots. Long, thick, mottled leaves.	15c up

### SEDUM

The price of these plants is 10c unless otherwise stated. Ten for \$1.00 postpaid.

"H"	means hardy to frost.
<i>S. adolphi</i> .	Golden yellow, conspicuous.
<i>S. album</i> .	Green, creeping. H.
<i>S. altissimum</i> .	Blue, 8 in.
<i>S. anglicum</i> .	Charming, pale green, creeping.
<i>S. confusum</i> .	
<i>S. dasypyllosum</i> .	Blue green clumps, tiny leaves.
<i>S. guatamalense</i> .	Green turning to red in sun. Very attractive.
<i>S. lineare variegatum</i> .	H.
<i>S. mexicanum</i> .	Yellow green.
<i>S. moranense</i> .	Tiny, thick, reddish leaves.
<i>S. multiceps</i> .	Like a little pine tree. Perfect in bowls. . . . 15c to 25c
<i>S. muriale</i> .	Turning red like half ripe blackberries in fall.
<i>S. pachyphyllum</i> .	Pale hands, pink tipped.
<i>S. palmeri</i> .	Tall. <i>Echeveria</i> like rosette.
<i>S. prealtum</i> .	
<i>S. prealtum cristatum</i> .	
<i>S. spectabile</i> var. <i>brilliancy</i> .	H.
<i>S. stahli</i> .	Called baked beans from the resemblance of the leaves.
<i>S. treleasi</i> .	Beautiful blue.
<i>S. winkleri</i> .	From Spain. Perfect rosettes in clusters.

## SEMPERVIVUM—AEONIUM

*A. arborescens*. Green.  
 var. *astropurpurea*. Brownish rosettes.  
 Crests of *astropurpurea* very handsome. Like cock's comb  
 ..... 50c to \$1.00

*A. canariensis*. Downy. Requires shade.

*A. decorum*. Rather small rosettes on shrub, turning beautiful  
 color in fall.



Grenovia dodrentalis

*A. haworthi*. Very stiff leaved rosette on small shrub.

*A. tabulaeforme*. Leaves inlaid like marquetry. A downy, absolutely flat rosette.

*A. tourniforti*. Serrated edges, small rosettes on a shrub.

(*Grenovia*) *dodrentalis (gracile)*. Charming plant like a perfect little rose.

The above are a group of large, showy plants consisting of many stalked rosettes. Most of them are native of the Canary Islands. Prices, except crest..... 15c to 25c

## SEMPERVIVUM

*Sempervivums* are very interesting small plants suitable to rock work. They are native of the mountains of Europe and very hardy to cold. In California they prefer shade.

Single rosettes unless otherwise stated..... 10c

A planting of *Sempervivum*

<i>S. arachnoideum</i> . Cobweb or spiderweb house leek. Very small rosette entirely overlaid with small, white hairs. Flowers bright red.	
var. <i>laggeri</i> . Similar, but rosettes much larger. Flowers bright rose.	
<i>S. calcaratum</i> . Large. Purple colored. Iridescent. Very fine.	50c
<i>S. calcareum</i> . Very greenish with decided red tips. A very good one	15c
<i>S. royanum</i> . Yellowish green with red tips. A startling variety.	35c
<i>S. silverine</i> . 6 in. Light green to silvery grey.	25c

## STAPELIAE AND ALLIED AESCLEPIADS

### CARALLUMA

<i>C. lutea</i> .....	10c to 25c
<i>C. melanantha (leendertziae)</i> .....	10c to 25c
<i>C. nebrowni</i> . Dark red to black brown. Entirely bare.	10c to 25c
<i>C. pseudo-nebrownii</i> .....	10c to 25c
<i>C. ramosa</i> .....	\$1.00

### CEROPEGIA

<i>C. barkleyi</i> . A lovely little vine with pointed, mottled leaves .....	15c to 25c
<i>C. coffrorum</i> . Larger than <i>C. woodi</i> . Much less common.....	25c
<i>C. debilis</i> . A weak, trailing affair getting everywhere and going nowhere .....	25c
<i>C. stapeliaformis</i> . S. Afr .....	50c
<i>C. woodi</i> . The Rosary Vine. Natal.....	15c to 25c

### ECHIDNOPSIS

<i>E. cereiformis</i> . S. Arabia and adjacent Africa.....	
var. <i>brunnea</i> . Yellow-brown fls. .....	35c
var. <i>obscura</i> . Red-brown fls. .....	35c

### HOYA

<i>H. carnosa</i> . S. China to Australia. "The Wax Plant." Beautiful pink clusters of blossoms of the texture of plush, like edelweis, on a dark green, thick leaved vine. Very good house plant.....	50c to \$2.00
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### HUERNIA

*Huernias* are little brothers of the *Stapelia*s and very interesting.

<i>H. hystrix</i> . The porcupine. Yellow bloom with red spots; spinelike, red tipped papillae.....	25c
<i>H. longituba</i> . Bloom cream colored, flecked with red.....	25c
<i>H. penzigi</i> . Bloom outside dirty white and red inside.....	25c
<i>H. scabra</i> var. <i>immaculata</i> . Flowers a pale brown color.....	25c
<i>H. schneideriana</i> . Deep purple cup.....	25c
<i>Piaranthus foetidus</i> . Flowers dull yellow with red markings. Smell to Heaven .....	15c

### STAPELIA

Eight varieties, my choice, postpaid, \$1.00.

<i>S. angulata</i> . An attractive <i>Orbea</i> hybrid with red, variegated petals and yellow, variegated center.....	10c
<i>S. arnotti</i> . Clear red, wine tips, blackish long hairs....	25c to 50c
<i>S. bella</i> . Two inch purplish red flowers.....	35c
<i>S. bicolor</i> . Dark brown with few bright yellow spots. Stems two colored .....	10c
<i>S. carolli-schmidtii</i> . Variegata variety.....	10c
<i>S. deflexa</i> . Dark red with center corona, self colored hairs....	25c
<i>S. desmetiana</i> . Long white haired edges, greenish or reddish ground.....	15c to 35c
<i>S. flavirostris</i> . Dark red with yellow beaked center.....	35c
<i>S. gettleffi</i> . Similar to <i>hirsuta</i> but blooms larger.....	25c
<i>S. gigantea</i> . Dull green, pale purple, hairy, marked with transverse crimson lines. Blossoms 14 in. across.....	25c to 50c
<i>S. grandiflora</i> .....	50c
<i>S. hirsuta</i> . Ground red, margin white, petals hairy, white to metose .....	10c to 35c
<i>S. incomparabilis</i> . Smooth, dark red, hairless flower. "The Bald Stapelia." .....	10c
<i>S. lanata (nigricans)</i> .....	15c
<i>S. leendertzii</i> .....	50c
<i>S. lucilla</i> .....	35c
<i>S. maculosoides (mermelis)</i> . Has a very pronounced pattern...	10c
<i>S. mermilis</i> .....	25c

<i>S. multiflora</i> .....	25c
<i>S. peglerae</i> . Conspicuous for glabrous 4 to 5 in. stems and shiny inner corolla surface of its flowers.....	25c
<i>S. puchella</i> . The little beauty. Sulphurous yellow with brown spots .....	25c
<i>S. schinzi</i> . Unusual in shape. Long pointed leaves, dark red. ....	15c to 35c
<i>S. variegata</i> . Commonest of all; yellow with small spots.....	10c



*Stapelia variegata*

<i>S. verrucosa</i> . Very small yellow blooms with tiny brown dots. Very different from the above.....	10c to 25c
<i>Tavaresia grandiflora</i> . Blooms 2 to 3 in. long, pale yellow flecked with red.....	50c to 75c
<i>Urbinia agavoides</i> . Hard glassy leaves with sharp brown points. Fls. bright orange tipped with yellow.....	35c to 50c
<i>U. purpusii</i> . Small rosette of dark green leaves marked with small brown spots and brown line down the center. Very attractive .....	50c

## CACTI

<i>Acanthocereus pentagonus</i> . Fla., Tex., Mex., Venezuela. Triangular, procumbent; night bloomer.....	25c to \$1.00
<i>A. subinermis</i> . 7 inch. Oaxaca, Mexico. Flower 8 in. Outer petals reddish, inner white.....	\$1.00
<i>Ancistrocactus scheeri</i> . Texas. Small tubercled plants. Yellow spines, some hooked .....	35c
<i>Aporocactus conzatti</i> . Oaxaca, Mexico. Creeping tails covered with brown bristles. Flowers brick red. Grafted plants. ....	50c to \$1.00
<i>A. flagelliformis</i> . Rat Tail. Long slender, pendant stem covered with short spines and magenta flowers. A good house plant. The above grafted has much more vigor....	50c to \$1.00
<i>A. flagriformis</i> . Oaxaca, Mexico. Erect at first, then creeping, much branched. Flowers dark crimson. Grafted plants. ....	50c to \$1.00
<i>A. leptophis</i> . Mexico. Strongly ribbed slender tails with bristly spines. Graft.....	50c to \$1.00
<i>A. martianus</i> hybrid of <i>Helio. speciosum</i> , rooted cut.....	50c

*Aporocactus flagelliformis*

<i>Arequipa leucotricha</i> . Chile, Peru. Red-brown spines; red, oblique fls. Grafted plants 60c, small plants.....	25c
<i>Ariocarpus fissuratus</i> . Texas. The Living Rock. Looks more like an amphibian than a plant.....	25c to 35c
<i>A. furfuraceus</i> . 5 in. ....	\$2.00
<i>A. kotschoubeyanus</i> . Mexico .....	\$1.00
<i>A. lloydii</i> . 3 in. ....	\$1.00
<i>A. retusus</i> . 3 in. ....	\$2.00
<i>A. scapharostrus</i> . 2 in. ....	\$2.00
<i>A. strobiliformis</i> . Mexico.....	\$1.00
<i>A. trigonus</i> . 3 in. ....	\$2.00
<i>Arthrocereus microphaericus</i> . Very small, jointed Cereus.....	75c
<i>Astrophytum asterias</i> . Texas, Mexico. "The Sea Urchin." Small, flat, distinctive. Requires strictly limy soil.	35c to \$1.00

*Ariocarpus fissuratus*

<i>A. capricorne</i> . Long, curling spines. Mexico. 3 year seedlings.	50c
<i>A. capricorne Major</i> .....	\$1.00
<i>A. capricorne</i> var. <i>senilis</i> . 4 in. ....	\$2.00
<i>A. myriostigma</i> . Mexico. The celebrated "Bishop's Cap." Covered with myriads of small tufts of white wool.....	
	25c, 50c, \$100 and \$2.00
<i>A. myriostigma</i> var. <i>coahuilensis</i> . 3x3 in.....	\$2.00
<i>A. myriostigma</i> var. <i>columnaris</i> . 4 in. ....	\$2.00
<i>A. myriostigma</i> var. <i>tetragona</i> . 4 in. Four sided true Bishop's cap .....	\$2.00
<i>A. ornatum</i> . Mexico. Ornate yellow spines; many tufts of wool. Seedlings 35c to 50c. Good sized plants...	\$1.00 to \$2.00

var. <i>albescens</i> . 2½ in.....	\$1.00
var. <i>columnaris</i> . 2½ to 4 in. ....	\$1.00 to \$1.50
var. <i>glabrescens</i> . 2 to 5 in.....	\$1.00, \$1.25, \$1.50, \$2.00
var. <i>glaucescens</i> .....	\$1.00
var. <i>mirbelli</i> . 2 to 6 in. ....	\$1.00, \$1.50, \$2.50
var. <i>spiralis</i> . 2½ to 4 in. ....	\$1.00 to \$1.50
var. <i>virens</i> . 2½ to 4 in. ....	\$1.00, \$1.50
<i>Aztekium ritteri</i> .....	\$2.00
<i>Bartschella schumanni</i> . Southern Lower Calif. Rare.....	\$1.00
<i>Bergerocactus emoryi</i> . In the U. S. native of San Diego Co. and some of the Channel Islands, only. Yellow spined, slender <i>cereus</i> , different from any other cactus. Sensitive to cold.....	25c to \$1.00



*Bergocactus emoryi*

<i>Brittonia darisi</i> . Tuberclad ribbed barrel from Texas with slender, long, yellow, hooked spines.....	50c up
<i>Browningia candelaris</i> . 3 in. ....	50c
<i>Carnegiea gigantea</i> . The Arizona giant.....	\$1.00 up

### CEPHALOCEREUS

The *Cephalocerei* are usually tall plants with long hairs or wool on them.



*Cephalocereus senilis*—The Old Man

<i>Cephalocereus chrysacanthus</i> . Mexico. Golden yellow spines, dense masses of white hair. 8 to 10 in.	\$2.00
The queerest of the queer. Heavy white beard on one side only on mature plants. The old goat. Comes from Alamos, Mexico.	
<i>C. alensis</i> . 5 in. seedlings	\$1.00
<i>C. alensis</i> . 18 in. rooted cuts	\$5.00
<i>C. alensis</i> . Specimen 30 in.	\$10.00
<i>C. chrysostele</i> . S. Amer. Beautiful golden spined seedlings	.50c
<i>C. cometes</i> . Mexico. White hair, short brownish spines, handsome. 5 to 8 in.	\$1.00 to \$1.50
<i>C. deeringi</i> . One of the two Fla. <i>Cephalocerei</i>	.50c
<i>C. glaucescens</i> . Blue with yellow spines. S.	.35c



*Astrophytum myriostigma*

<i>C. gounellei</i> . Brazil. Amber-yellow spines with white hairs S.	.25c
<i>C. hoppenstedtii</i> . Mexico. Slender, columnar, 20 or more ribs, white spines, striking. 8 in.	\$1.00
<i>C. palmeri</i> . Mexico. One of the very good ones. 8 to 9 in. Very woolly	\$1.50
<i>C. phaeacanthus</i> . Brazil. 8 in. Slender, low ribbed	.50c
<i>C. polylophus</i> . Mexico. 4 and 6 in. 15 to 18 ribs. Bearing white felt but no wool. Yellow spines, good	.50c and \$1.00
<i>C. robinii</i> . Cuba. Thick, dark green. Bright glaucous green when young. S.	.35c to .50c
<i>C. royenii</i> . White, hairy. From Porto Rico. Rare. Prices on application.	
<i>C. senilis</i> . Mexico. "The Old Man." Beautiful, long hair. 1 yr. S. 15c; 2 yr. S. 35c; 3 yr. S. 75c; 5 yr. \$1.00; 18 in.	.\$10.00

## CEREUS

The *Cerei* in general are tall columnar plants having large, white, nocturnal flowers.

<i>C. aethiops</i> ( <i>coeruleascens</i> ). Argentina and Brazil. Of an unusual purple shade with black spines; slow grower	.25c to .50c
<i>C. boliviensis</i> var. <i>monstrosus</i>	.25c to \$2.00
<i>C. compispinus</i> var. <i>monstrosus</i>	.25c to \$2.00
<i>C. formosus</i> var. <i>monstrosus</i> . A curious plant covered with knobs rather than ribs	.25c to \$2.00
<i>C. longispinus</i> var. <i>monstrosus</i>	.25c to \$2.00
<i>C. monvilleanus</i> var. <i>monstrosus</i>	.25c to \$2.00
<i>C. peruvianus</i> hybrids and what have you. The usual conglomeration. Per foot up to 4 ft.	.35c
Plants over 4 ft. per foot	.50c
S.	.15c
<i>C. peruvianus</i> <i>monstrosus</i> . Another knobby plant	.25c, .50c, \$1.00 up
<i>Chamaecereus sylvestri</i> . "Peanut Cactus." Always remains small, hence very suitable for bowls. Free bloomer, orange red. Likes a little shade. Argentina	.15c to .25c
<i>Cleistocactus baumannii</i> . Argentina. Curious and interesting with red fls. with green tips that look like little candles.	.15c to .25c
<i>C. buchtieni</i> . Slender <i>Cereus</i> from Bolivia. Good sized branching plants	.75c
<i>C. marovitzii</i> . Seedlings	.35c

C. (*Borzicactus*) *Straussi*. Peru. Slender *Cereus* covered with white wool-like spines. Fls. tubular, red. Hardy... 15c to \$1.00  
*Cochemieas* are Lower California plants with elongated heads and brilliant, red, tubular fls.  
C. *halei*. Magdalena Island ..... \$1.00  
C. *maritima*. Lower Calif. Brown hooked spines; dark ..... \$1.00  
C. *pondii*. Cedros Island. Very rare; bright scarlet fls. .... \$2.00  
C. *poselgeri*. S. Lower Calif.; straw colored spines; scarlet fls. .... \$2.00



*Cleistocactus baumannii*

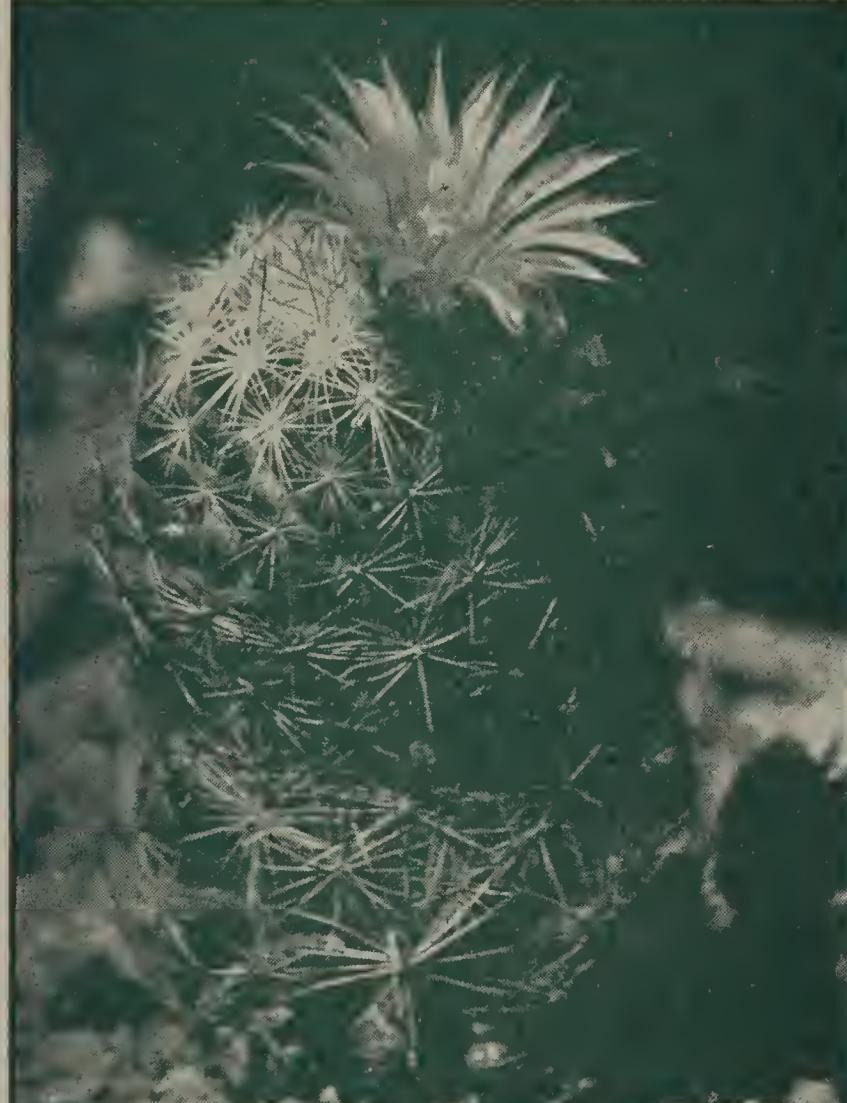
C. *setispina*. White hooked spines. One of the rarest of plants and splendid ..... \$1.00 to \$3.00  
*Corryocactus melanotrichus*. Bolivia. Slender, columnar, branching. Red fls. ..... 75c  
*Corpyhantha bumamma*. S. ..... 25c  
C. *clava*. Mexico. Brown-gray, appressed spines. .... 50c  
C. *cornifera*. Mexico ..... \$1.00 S. 25c  
C. *echina*. Texas. Globular; white spines; yellow fls. ... 15c to 25c  
C. *erecta*. Mexico. Clusters; free flowering; yellow fls. 25c to \$1.50  
C. *nelli*. Texas. One of the newly discovered *Echinocerei*. Small grafted plants ..... 75c  
C. *pallida*. S. ..... 25c  
C. *radians*. Mexico ..... \$1.00  
*Dolichothele longimamma*. Mexico ..... \$1.00  
D. *sphaerica*. Texas. "The Nipple Cactus." Large, lemon-colored fls. ..... 50c  
D. *uberiformis*. Mexico ..... \$1.00  
*Echinocactus coptogonus* ..... 25c and 50c  
E. *electracanthus* ..... 25c, 50c, \$1.00  
E. *grusoni*. Mexico. The beautiful "Golden Ball" which will grow larger than a bushel basket. .... 15c to \$3.00  
E. *ingens*. Mexico. Yellow Fls. .... 35c to \$1.00  
E. *horizontalis*. Texas. Rots easily. Must be planted in rubble so no wet earth surrounds the base ..... 15c to 50c

## ECHINOCEREUS

The *Echinocerei* are small plants that usually form clusters and have very beautiful blooms.

E. *amoena*. Mexico ..... \$1.00

<i>E. barthelowianus.</i> Lower Calif.; white or purplish spines with brown or blackish tips.....	\$1.00
<i>E. blancki.</i> Texas. Slender stems; large, reddish purple fls. ....	25c to \$1.00
<i>E. berlandieri.</i> Texas. Similar to <i>E. blancki</i> with slenderer stems. Very free bloomer.....	25c to \$1.00
<i>E. brandegeei.</i> Lower Calif. Grows in clumps. Flowers purplish .....	50c
<i>E. castanea.</i> Mexico. ....	\$1.00
<i>E. chloranthus.</i> Texas. Green fls. ....	15c to 35c
<i>E. dasyacanthus.</i> Texas Rainbow. Large yellow flowers..	15c to 50c
<i>E. delaeti.</i> Coahuila. 2½ in. white, hair-like spines with a few reddish bristles. Fls. pink. Resembles a small <i>C. senilis</i> . Mature plants .....	\$1.00 to \$2.00
<i>E. de la Paila.</i> Mexico. ....	\$1.00
<i>E. engelmanni.</i> Calif. Hedgehog. Magenta to purple blooms. ....	25c up
<i>E. enneacanthus.</i> Texas. Loosely clustered; reddish purple 2 in fls. Good clusters .....	50c
<i>E. erhenbergi.</i> Mexico. Fine purplish blooms. Setaceous spines .....	25c to 50c
<i>E. ferrerrae.</i> Lower Calif. Beautiful, large, pink flowers.....	50c
<i>E. fitchi.</i> Texas. Brownish, pectinate spines.....	25c
<i>E. flavispinus.</i> Mexico .....	\$1.00
<i>E. knippelianus.</i> Mexico. "Elephant's Skin." 5 to 7 ribs; dark green, wrinkled. Unusual pink fls. Grafted. Good size....	50c
<i>E. lloydii.</i> Texas. Similar to <i>E. dasyacanthus</i> . Rare.....	\$1.00
<i>E. lutea.</i> Rare Sonoran species. Similar in appearance to <i>E. knippelianus</i> . Yellow bloom.....	75c and \$1.00

A typical *Coryphantha*

<i>E. merkeri.</i> N. E. Mexico. Similar to but heavier than <i>E. erhenbergi</i> . Fls. purple.....	\$1.00
<i>E. papillosus.</i> Texas. Very attractive with enormous, yellow fls. with brown centers.....	50c to \$1.00
<i>E. pentalophus</i> .....	50c
<i>E. pulchellus.</i> Mexico. Dwarf.....	\$1.00
<i>E. reichenbachi.</i> Texas. White pectinate spines. Lacy appearance. Purple blooms.....	15c to \$1.00



*Echinocereus rigidissimus*

<i>E. rigidissimus.</i> Beautiful Arizona Rainbow.....	50c
<i>E. salm-dyckianus.</i> Mexico .....	\$1.00
<i>E. sarissiphorus.</i> N. E. Mexico. Very fine; purplish fls... .	35c to 50c
<i>E. sciurus.</i> Lower Calif.; magenta fls.; pale spines, brown tipped, very rare.....	75c to \$1.00
<i>E. stoloniferus.</i> Comparatively new species described in our Vol. 9, No. 10, Cactus and Succulent Journal. Alamos, Sonora Mexico.....	75c and \$1.00



The popular *Echinopsis*

<i>E. stramineus</i> . Texas. "Strawberry Cactus."	Purple	25c to 50c
<i>E. triglochidiatus</i> . The Claret Cup. Texas		50c
<i>E. viridiflorus</i> . Texas		15c
<i>Echinomastus intertextus</i>		15c to 25c

## ECHINOPSIS

Plants characterized by prominent ribs and very large, long-necked fls. of singular beauty.

<i>E. calochlora</i> . Brazil. Distinctly different from its fellows by its vivid yellow-green color and more appressed and tuberculate ribs. Fls. white	25c to 75c, Graft	\$1.00
<i>E. eyresi</i> . Brazil. Fls. white; spines unusually short; free bloomer	15c to \$1.00	
var. <i>el pleno</i> . Rose fls.	25c to 50c	
<i>E. heavenly twins</i> . Pink fls.	25c to 50c	
<i>E. mammillosa</i> . Bolivia. Fls. white	25c to 50c	
<i>E. multiplex</i> . Brazil. Beautiful pink fls. on green globes with long, yellow spines	15c to \$1.00	
<i>E. nuda</i>	25c to 50c	
<i>E. polyancistra</i> . 2½ in. Fine form	50c	
<i>E. species</i> . Pale, ruffled, double pink, deep pink stripes, fragrant	35c	
<i>E. species</i> . Very tall growing. Free bloomer; deep rose flowers	35c	

## EPIPHYLLUM

Blooming size unless marked R. C. in which case rooted cut.

The *Epiphylla* well deserve the name of "Flowering Cacti." They have some of the most beautiful flowers in the Cactus family and they are admirable house plants. Very often under the name of *Phyllocactus*.

<i>E. ackermannii</i> hybrids. Red. fls. R. C.	25c to 50c
<i>E. adonis</i> . Delicate rose	75c
<i>E. agathe</i> . Brilliant red center overlaid purple	75c
<i>E. aida</i> . Fawn shaded henna	75c
<i>E. album superbum</i> . R. C.	25c
<i>E. Amber Queen</i> . Large copper. R. C.	50c
<i>E. anguliger</i> . The leaves are the most beautiful of all the <i>Epiphylla</i> . They are shining, vivid green, very deeply and regularly cut. Lovely as a house plant even when not in bloom. White blossoms	25c
<i>E. argus</i> . Rose, center copper	75c
<i>E. bella</i> . Rose	75c
<i>E. brilliant</i> . Scarlet	75c
<i>E. conway's giant</i> . Beautiful, large, red flower with purple throat. R. C.	50c
<i>E. cooperi</i> . White. R. C.	25c
<i>E. erebus</i> . Coppery orange	75c
<i>E. german empress</i> . Rose pink	75c
<i>E. hekla</i> . Brown red, center magenta	75c
<i>E. hermosum</i> . Wonderful red fls. with purple throat. R. C.	50c
<i>E. kermescenum magnum</i> . Red with purple throat. R. C.	50c



*Epiphyllum oxypetalum*

<i>E. latona</i> . Brown red .....	75c
<i>E. lilacinus</i> . Lilac, center rose.....	75c
<i>E. magenta</i> . Magenta .....	75c
<i>E. miranda</i> . Heliotrope with carmine center.....	75c
<i>E. montezuma</i> . Chamois pink, center magenta.....	75c
<i>E. orion</i> . Dark scarlet with purple shading.....	75c
<i>E. oxypetalum (latifrons)</i> . Large fls., prolific night bloomer, flat branches. R. C.....	25c
<i>E. pfau</i> . Tan, center bluish violet.....	75c
<i>E. pferdsdorffii</i> . White, large, prolific bloomer. R. C.....	25c
<i>E. rosetta</i> . Deep rose, outer petals recurved, inner petals in-curved .....	75c
<i>E. roseum superbum (kaiserin)</i> . Bicolor: pink and white. Blos-soms not large but very profuse.....	25c
<i>E. sacuntale</i> . Salmon .....	75c
<i>E. schlumbergerianum</i> . R. C.....	35c
<i>E. stenopetalum</i> . Mexico. One of the most beautifully shaped and freely blooming white ones although not as large as some. R. C.....	25c
<i>E. venus</i> . Large pink .....	75c
<i>E. William de Laet</i> . R. C.....	75c
<i>E. wrayi</i> . A decided cream. R. C.....	25c



*Espostoa lanata*

### EPITHELANTHA

*Epithelantha* represent one of the most dwarfed genera.

<i>E. fungifera</i> . Mexico. Dwarf .....	\$1.00
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<i>E. micromeris</i> . Texas. "The Button Cactus." Charming, pure white, little buttons with pink fls. followed by red fruit.
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One of the smallest..... 25c

<i>E. tuberosa</i> .....	\$1.00
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<i>E. unispina</i> .....	\$1.00
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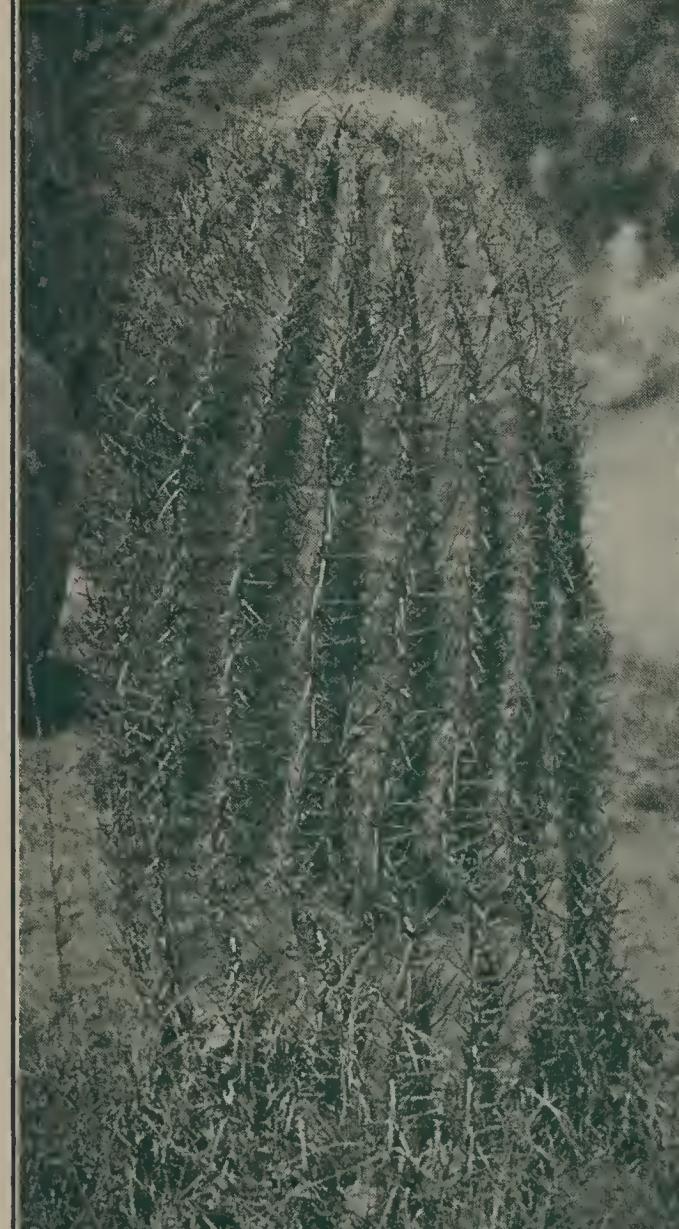


Habit of the *Harrisias*

<i>Escobaria dasycantha</i> . Texas. Similar to <i>E. tuberculosa</i> with more regular spines. Fls. pink.....	15c to 25c
<i>E. runyonii</i> . Texas. Small variety; spines white tipped with brown. Fls. yellowish; fruit red.....	15c to 25c
<i>E. tuberculosa</i> . Large for the genus. Spines gray; fls. pink; fruit red.....	15c to 25c
<i>Escontria chiotilla</i> .....	25c
<i>Espositoa lanata</i> ( <i>Pilocereus dawitzi</i> ). Ecuador. The most beautiful of hairy cereus. Completely covered with white wool with a few stiff, yellow spines. Comes from the high Andes.....	50c to \$1.00

### FEROCACTUS

<i>F. acanthodes</i> . "The California Barrel." All sizes.....	25c to \$10.00
<i>F. alamosanus</i> . Sonora. Very rare.....	\$1.00 to \$3.00
<i>F. chrysacanthus</i> . Cedros Is. Rare; yellow or red spines. Fls. satin yellow.....	\$1.00 to \$2.00
<i>F. coloratus</i> . Lower Calif. Most beautiful of all the <i>Ferocacti</i> . Beautiful, dark red, broad spines.....	\$1.00 and \$2.00
<i>E. echidne</i> .....	\$1.00
<i>F. fordii</i> . Lower Calif. Fls. handsome purple or rose purple. A fine plant.....	50c to \$1.00
<i>F. gracilis</i> . Lower Calif. Red spines with a few of the radials white. Fl. petals red with yellow margins. Very fine.....	50c
<i>F. latispinus</i> . ( <i>E. corniger</i> ). A very symmetrical plant. Spines red, short and flattened. Flowers pink or white to purple.	50c to \$1.50



*Ferocactus acanthodes*

<i>F. macrodiscus</i> .....	50c
<i>F. matthsoni</i> .....	50c
<i>F. melocactiformis</i> ( <i>electracanthus</i> ). Mexico. The spreading amber spines make a very showy plant.....	50c to \$1.50
<i>F. nobilis</i> ( <i>recurvus</i> ). Mexico. Dark, red spines, centrals hooked; fl. petal red with white margins. A very showy plant.....	50c to \$1.50
<i>F. pringlei</i> . Mexico. Red spines with yellow fls.....	50c

<i>F. robustus</i> . Forms dense clusters of heads about 8 in. in diameter. Brownish spines on deep green globes.....	40c
<i>F. tortulospinus</i> .....	75c to \$1.00
<i>F. uncinatus</i> . Texas Fishhook. Lovely frilly rose to chocolate colored flowers.....	25c to 50c
<i>F. viridescens</i> . San Diego. A low, flat barrel, single and in clusters. Heavy.....	25c to 50c
<i>F. wislizeni</i> . Arizona Barrel. Heavy hooked spines. The Cactus Candy is usually madé from this plant.....	50c
<i>Frailea dadaki</i> . Graft .....	35c
<i>F. grabliana</i> . Paraguay. Diminutive; reddish, fls. yellow. Grafted .....	30c
<i>F. pumila</i> .....	25c
<i>F. schilinzkyana</i> . Grafted .....	35c
<i>Grusonia bradtiana</i> . Limited supply. Small plants only.....	\$1.00
<i>G. rosarica</i> . Lower Calif. Reddish grey spines and red glochids. .....	35c
<i>Gymnocalycium denudatum</i> .....	50c
<i>G. lafaldensis</i> . Grafted .....	35c
<i>G. mihanovichii</i> . Paraguay. Small, globular, depressed; plant definitely light and dark banded. Fls. green.....	30c
<i>G. quehlianum</i> . S. Amer. Globular, depressed; few rounded ribs; fls. cream with violet shadings.....	30c
<i>G. saglionii</i> .....	50c
<i>Hamatocactus setispinus</i> . The Texas Twisted-Rib. A most exclusive child with no near relations. One of the most persistent bloomers. Flowers lemon yellow with red centers. .....	15c to 50c
<i>Harrisia</i> . Clambering, white flowered, nocturnal <i>Cereus</i> with beautiful, bright-red fruit. Extremely spiny.	
<i>H. bonplandi</i> . Paraguay. Four sided.....	35c to 50c
<i>H. eriophora</i> . Cuba. 12 inches up.....	35c
<i>H. jusberti</i> . 4 to 5 ribs; dark green; short, conic, black spines. .....	75c up
<i>H. martini</i> . Argentina.....	50c to \$1.00
<i>Helicocereus speciosus</i> . Mexico. Beautiful <i>Epiphyllum</i> -like fls. with purple throat.....	35c to \$1.00
<i>Homalocephala texensis</i> . The Texas Devil's Head. Resembles <i>E. horizonthalonius</i> , but is much easier to grow. Lovely delicate blossoms, like strawberry ice cream in color.....	50c
<i>Hylocereus ocamponis</i> . Glaucous, 3-angled stem with a gold stripe on the ribs. Large, white, nocturnal flower.....	\$1.00
<i>H. undatus</i> . Night bloomers with many golden stamens.	25c to \$5.00
<i>Idria columnaris</i> .....	\$1.50 to \$3.00
<i>Lemaireocereus beneckei</i> . Mexico. "The Silver Tip." Beautiful gray-blue. New growth covered with white pulverulence with contrasting, black spines. Small grafted plants....	50c
<i>L. chende</i> . Tehuacan, Mexico. Low, much branched. 10 in....	\$1.00
<i>L. chichipe</i> . Mexico. Tree-like. 9 to 12 ribs. Grayish spines. Small yellowish green fls. and spiny fruit. Very showy as a small plant.....	25c to \$1.00
<i>L. deficiens</i> . 6 and 8 in. ....	\$1.00
<i>L. dumortieri</i> . Mexico. Very striking columnar plant. Yellow spines .....	50c to \$1.00
<i>L. hollianii</i> . Mexico. Nice. Bristly, spiny, branching plant..	\$1.00
<i>L. queretaroensis</i> . Mexico. Ribs 6 to 8, stout, light green covered with a grayish bloom. Large woolly areoles. Spines at first red, gray in age.....	50c
<i>L. stellatus</i> . Mexico. Blue-green; branching from base; fls. red, near top of plant; fruit red.....	50c to \$1.00
<i>L. thurberi</i> . Ariz. and Mexico. Scarce. Has a delicious fruit. Green; many ribs; brown to black spines; white to light purple fls. about 2 in. across. S. 25c; Plants.....	\$1.50 to \$3.25
<i>L. treleasei</i> .....	35c
<i>Leuchtenbergia principis</i> . 2 year seedling, 50c; large plants..	\$1.50

## LOBIVIA

Medium sized, globular Cacti sometimes forming large clusters and with a wide variation in the brighter fls. From central S. America. A fine genus.

<i>L. allegriana</i> . Grafted .....	30c
<i>L. atrovirens</i> . Grafted .....	35c
<i>L. aurea</i> . Argentina. Globular to cylindric; green, grey-black spines, yellow fls., grafted.....	35c

*Lobivia thionantha*

<i>L. backebergii.</i>	Distinctive plant. Easy to grow, fls. blue carmine	40c
<i>L. binghamiana.</i>	Green; tuberculate ribs, black tipped spines, red orange fls. Grafted	50c
<i>L. boliviensis.</i>	Vigorous growing plant with strong straight spines	40c
<i>L. caespitosa.</i>	Fls. yellow and red	35c
<i>L. chrysantha.</i>	Fls. gold yellow	75c
<i>L. corbula.</i>	Grafted, fls. red orange	40c
<i>L. cylindrica.</i>	Grafted	75c
<i>L. densispina.</i>	Grafted. Brown and white spines	35c
<i>L. drijveriana.</i>	Grafted	50c
<i>L. ducis pauli.</i>	Grafted	75c
<i>L. euanantha.</i>	Grafted	50c
<i>L. famatimensis.</i>	Fls. clear gold	50c
<i>L. famatimensis</i> var. <i>setosa</i>		70c
<i>F. formosa</i> ( <i>echinopsis</i> ).	Argentina. Lavender grey spines, orange yellow fls. 2 to 4 in.	50c to \$1.00
<i>L. grandiflora.</i>	Argentina. Yellow spines, pink fls, grafted	75c
<i>L. haageana.</i>	Appressed spines, gold fls., grafted	50c
<i>L. hertrichiana.</i>	Free flowering, red	40c
<i>L. hossei</i>		75c
<i>L. incaica.</i>	Fls. fire red	35c
<i>L. jojoiana.</i>	Fls. tomato red, most beautiful	60c
<i>L. johnsoniana</i>		50c
<i>L. lateritia</i>		50c
<i>L. leucorhodon.</i>	Fls. lilac rose	35c

*Lobivia longispina*



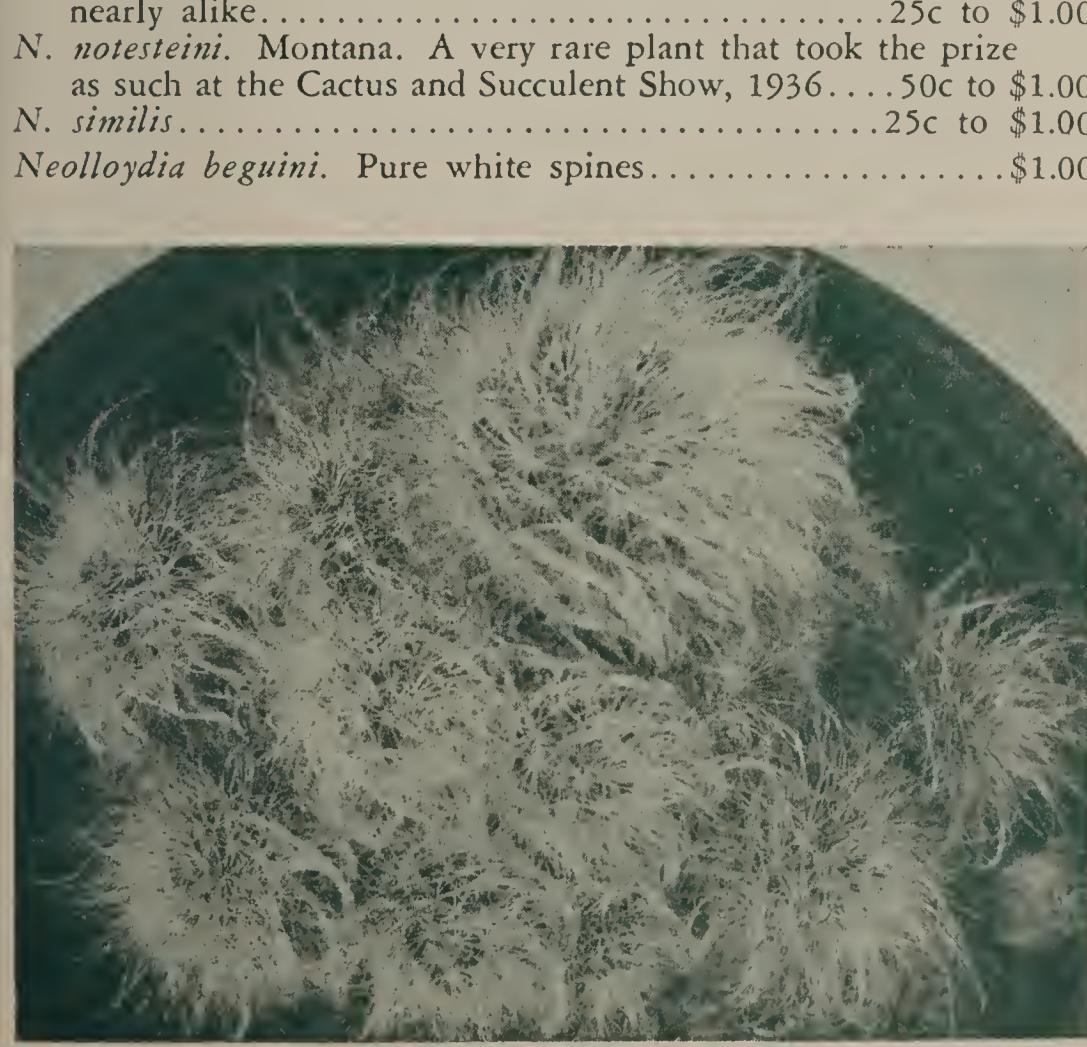
*Lophophora williamsii*

<i>L. longispina</i> . Black hooked spines.....	60c
<i>L. mistiensis</i> .....	50c
<i>L. nealeana</i> . Grafted, fls. fiery red .....	35c
<i>L. pentlandii</i> . Showy, recurved spines.....	35c
<i>L. polycephala</i> . Fls. fiery red.....	60c
<i>L. pseudocachensis</i> . Free flowering, fls. flame red.....	35c
<i>L. pseudocachensis</i> var. <i>cinnabrina</i> . Fls. red.....	75c
<i>L. pseudocachensis</i> var. <i>sanguinea</i> .....	40c
<i>L. rebutoioides</i> .....	30c
<i>L. rhiphidacantha</i> . Most handsomely spined of all.....	50c
<i>L. rubescens</i> . Vigorous plant, black spines.....	60c



*Monvillea spegazzinii*

<i>L. thionantha</i> . . . . .	75c
<i>L. from rumi</i> . Offsets, 15c; grafted. . . . .	30c
<i>Lophocereus australis</i> . Lower Calif. Grows to 25 ft. Fls. pink. . . . .	50c to \$1.00
<i>L. schotti</i> . Ariz. and Mexico. A wonderful and much prized <i>Cereus</i> almost extinct in the U. S. except in cultivation. Small plants, 50c; Mature plants. . . . .	\$5.00 to \$10.00
var. <i>monstrosus</i> ( <i>mieckleyanus</i> ). "Totem Poles." Very rare form. Only two small patches ever found. Lower Calif. Small: 50c to 75c. Large sizes. . . . .	\$1.00 to \$5.00
<i>Lophophora williamsi</i> . Texas and Mexico. The famous Peyote or Mescal Button. More has been written about this plant than any other in the Cactus world. Interesting and easy of culture . . . . .	15c to 50c
<i>L. zeigleri</i> ( <i>lewini</i> ). Mexico. Smooth compared to the preceding. Fls. pale yellow. S. 1 year. . . . .	25c
<i>Machaerocereus eruca</i> . Lower Calif. "Creeping Devil." Looks like large, prickly caterpillar. 4 branch \$2.00; smaller . . . . .	75c and \$1.00
<i>M. gummosus</i> . Lower Calif. A heavily spined, sprawly to erect plant with wide open white to lavender, scented fls. Flowering branches 3 to 4 in. diameter. 14 to 26 in. tall. . . . .	\$1.00 up
<i>Mamillopsis senilis</i> . Mexico . . . . .	\$1.50
<i>Mediocactus coccineus</i> . Three angled, purplish tinted stems. Lovely flowers. . . . .	25c to 50c
Mediolobivias are a division of the <i>Rebutias</i> and like them have beautifully colored fls. Rooted cuts at. . . . .	25c each
<i>M. aureiflora</i> . Yellow fls. Small, grafted. . . . .	75c
<i>M. duursmaniana</i> . Orange fls. Small, grafted. . . . .	75c
<i>M. elegans</i> . Fls. yellow. Small, grafted. . . . .	75c
<i>Monvillea cavendishi</i> . S. Amer. Slender, thorny, night blooming cactus . . . . .	35c
<i>M. spegazzinii</i> . S. Amer. Beautiful, slender, purple-green stems mottled with cream. White flowers. Grafted plants. . . . .	35c
<i>Myrtillocactus cochal</i> . Lower Calif. Branching; blue-green; columnar with heavy, gray-black spines. Small, white fls. and red fruit. Small plants 50c. Branching plants 8 to 16 inch. . . . .	\$1.00 to \$2.50
<i>M. geometrizans</i> . Beautiful glaucous blue with black spines. A fine plant. Mexico. . . . .	15c to \$1.50
<i>M. schenki</i> . Mexico . . . . .	35c
<i>Neobesseyea missouriensis</i> . The <i>Neobesseyas</i> are very beautiful, white spined, clusters with brilliant, red fruit. All very nearly alike. . . . .	25c to \$1.00
<i>N. notesteini</i> . Montana. A very rare plant that took the prize as such at the Cactus and Succulent Show, 1936. . . . .	50c to \$1.00
<i>N. similis</i> . . . . .	25c to \$1.00
<i>Neolloydia beguini</i> . Pure white spines. . . . .	\$1.00



Neomammillaria bocasana

<i>N. beguini senilis.</i> Mexico. Hidden by long, white spines with black tips . . . . .	\$1.00
<i>N. conoidea.</i> Mexico. Gray-black spines. Rich purple fls. . . . .	35c
<i>N. texensis.</i> Texas. Gray-black spines and fine, pinkish purple fls. . . . .	15c to 25c

## NEOMAMMILLARIA—MAMMILLARIA

(These plants are reverting back to their former name of *Mammillaria*.) Some of the most interesting and varied plants are to be found among the *Neomammillarias*. They have spines of many colors and textures and wreaths of charming fls.

<i>N. acanthophlegma.</i> Seedlings . . . . .	25c
<i>N. albescens.</i> Similar to <i>N. decipiens</i> with longer and gray-white spines. Mexico. S., 25c, 35c. Plants . . . . .	\$1.00
<i>N. armillata.</i> S. Lower Calif. and adjacent islands. Spines brownish. Fls. greenish to flush colored . . . . .	\$1.00
<i>N. balsasensis.</i> Grafted 2½ in. . . . .	50c
<i>N. baumii.</i> Small yellow fls. Fine lacy spines . . . . .	\$1.00
<i>N. baxteriana.</i> Lower Calif. Milky globular. White spines; yellow fls. . . . .	\$1.00
<i>N. blossfeldiana.</i> Lower Calif. Small, hooked spine variety with large flowers for the genus, pink and white striped . . . . .	75c
<i>N. bocasana.</i> Mexico. Seedlings. Woolly with brownish hooked spines. Beautiful . . . . .	50c up
var. <i>inermis</i> . Covered with snowy silk. Very lovely. Grafted . . . . .	75c
<i>N. brandgeii</i> , 2 in. . . . .	\$1.00



*Neomammillaria candida*

<i>N. calacantha.</i> Mexico. Globular with yellow and brown deflexed spines. Fls. red. Outstanding. S. 25c, mature. . . . .	\$1.00 to \$1.50
<i>N. campotricha.</i> Mexico. Depressed globose; slender tubercles yellow curling spines. A very unusual plant with a tangled look . . . . .	25c to \$1.00
<i>N. campotricha senilis.</i> . . . . .	\$1.00
<i>N. candida.</i> Mature plants . . . . .	\$1.00
<i>N. capensis</i> . . . . .	Cluster \$1.00
<i>N. celsiana</i> . . . . .	50c and \$1.00
<i>N. centricirrha</i> . . . . .	\$1.00
<i>N. cephalophora.</i> Small woolly . . . . .	\$1.00
<i>N. chinocephala</i> . . . . .	\$1.00
<i>N. compressa.</i> Central Mexico. Forms dense clusters. Has milky juice. Light red fls. . . . .	25c to \$2.00
<i>N. conspicua.</i> Mexico. Cylindric. White radials, brown centrals. Fls. red. Live up to its name. S. 25c, 35c . . . . .	\$1.00 to \$2.00
<i>N. craigeana.</i> New discovery . . . . .	\$1.50
<i>N. crocidata.</i> S. 25c . . . . .	50c
<i>N. decipiens.</i> Mexico. Inconspicuous but pretty; gray, charming with pale fls. S. . . . .	25c

*Neomammillaria longicoma*

<i>N. dietrichii</i> . . . . .	\$1.00
<i>N. dioica</i> . Dark, fishhooked Neomam. native to San Diego. Fl. petals creamy white with red midrib. . . . .	15c to 50c
<i>N. durispina</i> . 3 in. crimson fls. . . . .	50c
<i>N. echinaria</i> . Mexico. Small, slender; forms clusters; clear, yellow spines; fls. white. . . . .	25c to 75c
<i>N. elegans</i> . . . . .	\$1.00
<i>N. elongata</i> . Mexico. "Golden Lace Cactus." Golden yellow, soft, interlaced spines. Clusters. . . . .	15c to 35c
<i>N. elongata</i> var. <i>stella aurata</i> . . . . .	15c to 35c
<i>N. essaussieri</i> . Seedlings . . . . .	25c
<i>N. ferrera rubra</i> . 4 in. . . . .	\$2.00
<i>N. fischeri</i> (Pfeiffer). Same as <i>karwinskiana</i> (Martius). 3 in. . . . . .	\$1.00
<i>N. formosa</i> . . . . .	\$1.00
<i>N. geminispina</i> . . . . .	25c, 50c, \$1.00
<i>N. habniana</i> . The old lady of Mexico. One of the most beautiful plants. S 25c, 50c. . . . .	Pl. \$1.00, \$2.00, \$3.00
<i>N. habniana</i> var. <i>giselana</i> . S. . . . .	25c
<i>N. hamilton hoytae</i> . 1½ yrs., 25c; 3 yrs. . . . .	50c
<i>N. herrerae albiflora</i> . . . . .	\$1.00
<i>N. hoffmanniana</i> . . . . .	25c
<i>N. hidalgensis</i> . . . . .	25c
<i>N. karwinskiana</i> . . . . .	
<i>N. kelleriana</i> . 2 in. New discovery. . . . .	\$1.50
<i>N. klissingiana</i> . . . . .	\$1.00
<i>N. longicoma</i> . 2½ in. . . . .	50c
<i>N. longiseta</i> . . . . .	25c
<i>N. magnimamma</i> . 2 in. . . . .	35c
<i>N. marshaliana</i> . . . . .	\$1.00
<i>N. martinezii</i> . 2½ in. New discovery. . . . .	\$1.50
<i>N. mendeliana</i> . . . . .	25c to \$1.00
<i>N. microheliopsis</i> . 1 in. . . . .	35c
<i>N. microthele</i> . S. . . . .	25c
<i>N. multiformis</i> . . . . .	\$1.00
<i>N. multihamata</i> . 1 in. . . . .	\$1.00
<i>N. mystax</i> . 4 in. . . . .	\$1.00
<i>N. mundtii</i> . . . . .	\$1.00
<i>N. occidentalis</i> , 2½ in. . . . .	\$1.00
<i>N. ochoterenai</i> . Seedlings . . . . .	35c
<i>N. ortiz rubiano</i> . . . . .	\$1.00
<i>N. parkinsoni</i> . . . . .	\$1.00
<i>N. perbella</i> . S. . . . .	25c
<i>N. perbella minor</i> . S. . . . .	25c
<i>N. perbella lanata</i> . . . . .	\$1.00
<i>N. pettersonii</i> . . . . .	\$1.00
<i>N. phitauiana</i> . Described in Vol. II, Pg. 471, Cactus Journal; Lower Calif.; white spines with brown tips; fls. white striped with red . . . . .	\$1.00
<i>N. plumosa</i> . . . . .	\$1.00
<i>N. polythele</i> . S. . . . .	25c
<i>N. pottsi</i> (Leona) . . . . .	\$1.00

<i>N. pringlei</i> . . . . .	\$1.00
<i>N. pseudo perbella</i> . . . . .	\$1.00
<i>N. pygmaea</i> . . . . .	\$1.00
<i>N. rhodantha</i> . . . . .	\$1.00
<i>N. rhodantha (chrysacantha)</i> . . . . .	\$1.00
<i>N. schiediana</i> . S. . . . .	25c
<i>N. sempervivi</i> . 1½ to 3 in. . . . .	35c to \$1.00
<i>N. sinistrohamata</i> . 1 in., grafted . . . . .	35c
<i>N. sphacelata</i> . 3 in. . . . .	35c
<i>N. spinosissima</i> . 1 to 3 in. . . . .	35c to \$1.00
<i>N. tarajaensis</i> . 2½ to 3½ in. . . . .	50c to \$1.00
<i>N. tetracantha</i> . S. . . . .	25c
<i>N. uncinata</i> . . . . .	\$1.00
<i>N. vaupelli</i> . 3 in. . . . .	\$1.00
<i>N. viperina</i> . Grafted . . . . .	\$1.00
<i>N. winteriana</i> . 3½ in. . . . .	\$1.00
<i>N. woburnensis</i> . 1½ in. clump . . . . .	25c
<i>N. woodsi</i> . 3 in. . . . .	\$1.50
<i>N. zacchariniana</i> . . . . .	\$1.00
<i>N. zephranthoides</i> . 2 in. . . . .	\$1.00
<i>Neoportieria acutissima</i> . Grafted . . . . .	50c
<i>N. nidus</i> . Grafted . . . . .	50c and \$1.00
<i>N. reichi</i> . Grafted . . . . .	75c
<i>Nopalxochia phylanthoides</i> . . . . .	\$1.00

## NOPALEA

*Nopaleas* are *Platyopuntia* type plants except the flowers never open wide and the stamens and pistil are exserted.

<i>N. auberi</i> . Smooth, spineless; free blooming; per cut . . . . .	25c
<i>N. brittoni</i> . Mexico. Dully mottled, thick stems. Per cut . . . . .	15c
<i>N. cochenillifera variegata</i> . Rare. Per cut . . . . .	25c
<i>N. dejuncta</i> . Panama. Winter bloomer. Per cut . . . . .	10c
<i>N. dejuncta variegata</i> . Unusual variegated form. Per cut . . . . .	25c

## NOTOCACTUS

A division of *Malacocarpus*. Globular to cylindric plants with fine flowers and usually highly colored spines.

<i>N. baselbergi</i> . Brazil. Globular; hidden by creamy, setaceous spines. Fls. red . . . . .	50c to 75c
<i>N. leninghausi</i> . Brazil. Beautiful old gold spines. Fls. yellow. Good size grafted . . . . .	75c, \$1.00 and \$1.50 (2 year seedlings 50c)

<i>N. nigrispinus</i> . Grafted . . . . .	50c
<i>N. ottonis</i> . . . . .	50c

<i>N. scopa</i> . Brazil. A most beautiful plant with slender white and red spines. Brown, fuzzy buttons at apex of plant turn . . . . .	35c to \$1.00
var. <i>rubra</i> . 2 in. . . . .	50c

<i>N. submamulosus</i> . S. Amer. S. . . . .	35c
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<i>Nyctocereus serpentinus</i> . Tall columns, slender, growing to tops of houses. 50 white, very fragrant blooms on one stalk in a single night . . . . .	25c to \$2.00
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<i>Obregonia denegrii</i> . Mexico. Rare . . . . .	\$1.00
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## OPUNTIA

(Cylindrical and intermediate types). Cuts only. 10c each unless otherwise stated. Cuts of all cacti must be kept dry until rooted.

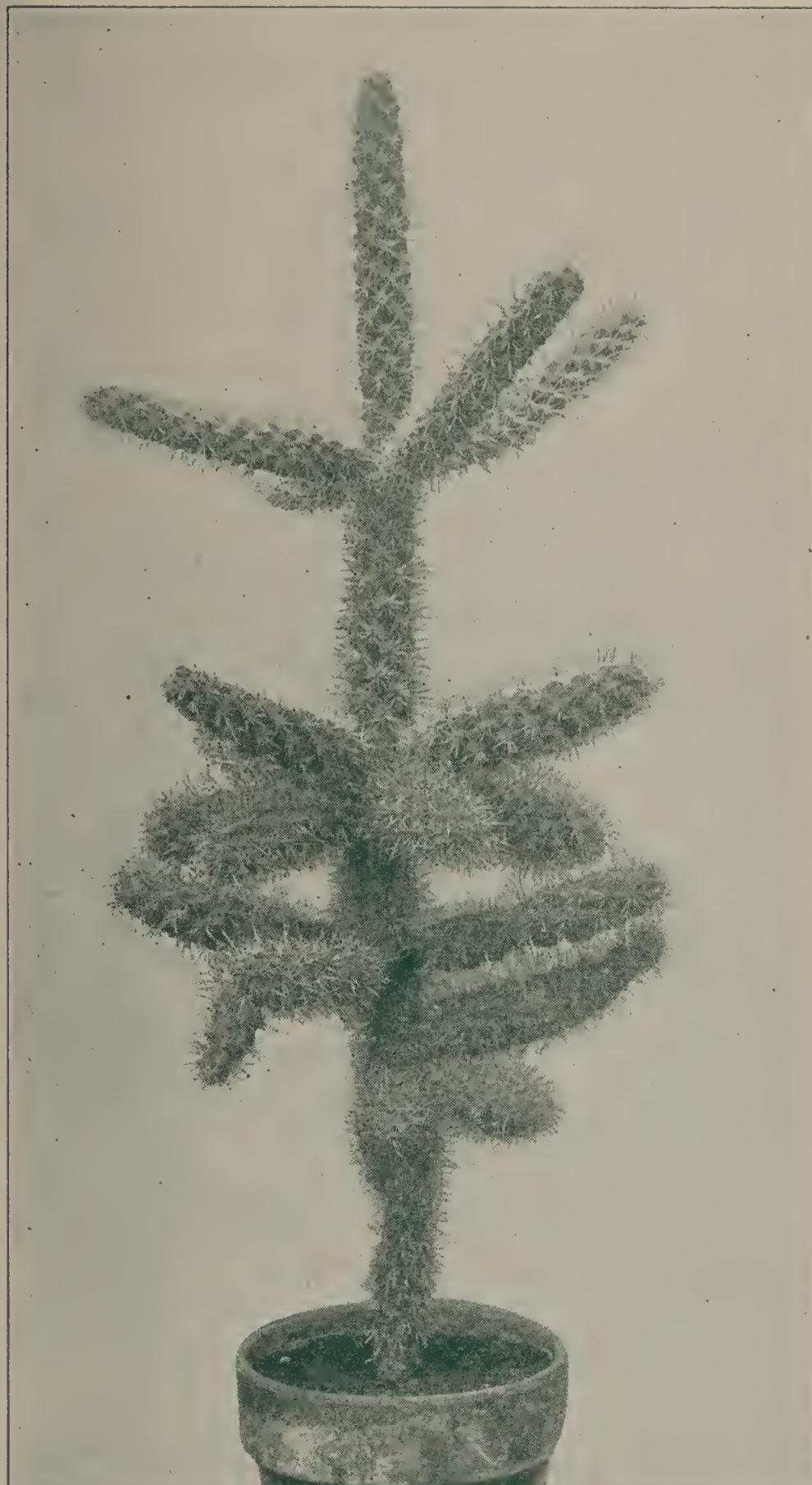
<i>O. alcahes</i> . Lower Calif. White spines. Fls. green-yellow. Cuts .	15c
<i>O. bigelovii</i> . The golden spined cholla. Except where desired for color scheme not desirable. Dangerous with its barbed spines and easily detached joints. Plants . . . . .	35c

<i>O. californiana</i> . Lower Calif. Slender; spine sheaths yellow. . . . .	
<i>O. cholla</i> . Lower Calif. Fls. deep purple. Brown sheathed spines. . . . .	

<i>O. cirrata</i> . Lower Calif. Similar to <i>bigelovii</i> but less spiny. . . . .	
<i>O. clavarioides</i> . Chile. Small, brownish, with minute spines. It always crests. Fls. light brown. Very unique. Large, grafted. No Cuts . . . . .	\$1.00

<i>O. congesta</i> . Sonora. Slender, long spines with gold sheaths. Striking . . . . .	15c
<i>O. cylindrica</i> . Ecuador. Green, imbricate tubercles; fls. scarlet . . . . .	15c to 25c

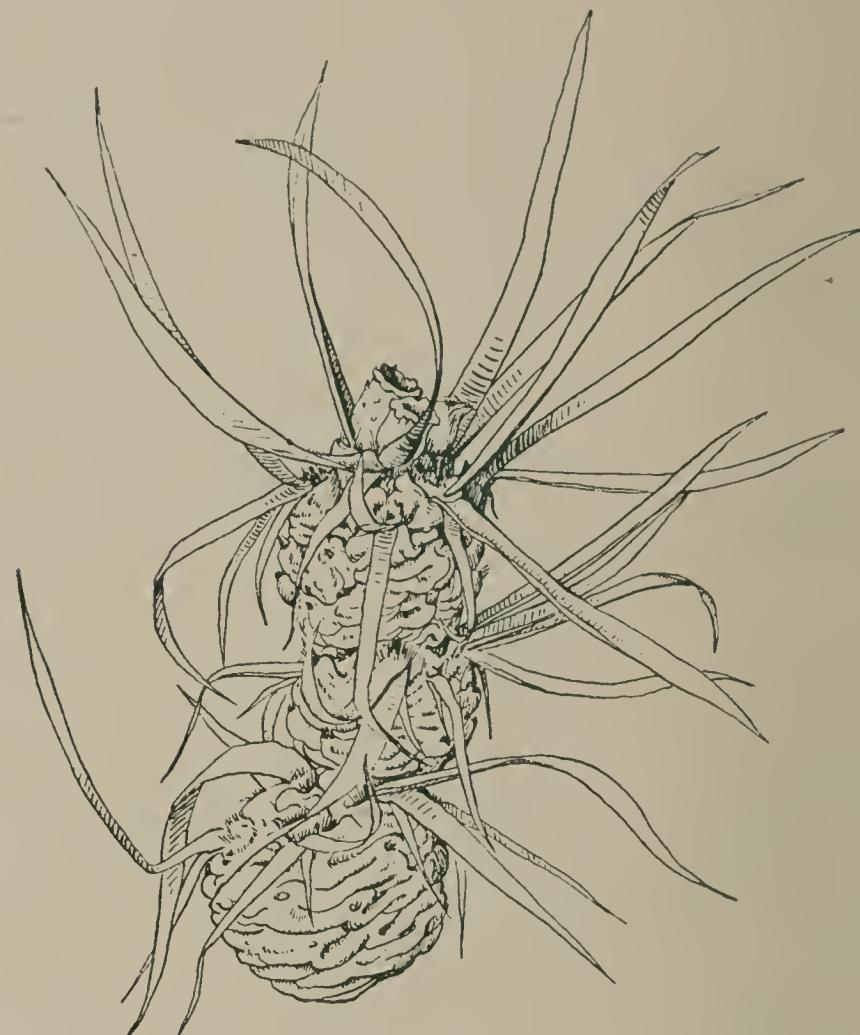
<i>O. davisi</i> . Texas. Golden spines; fls. yellow . . . . .	
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*Opuntia alcahes*

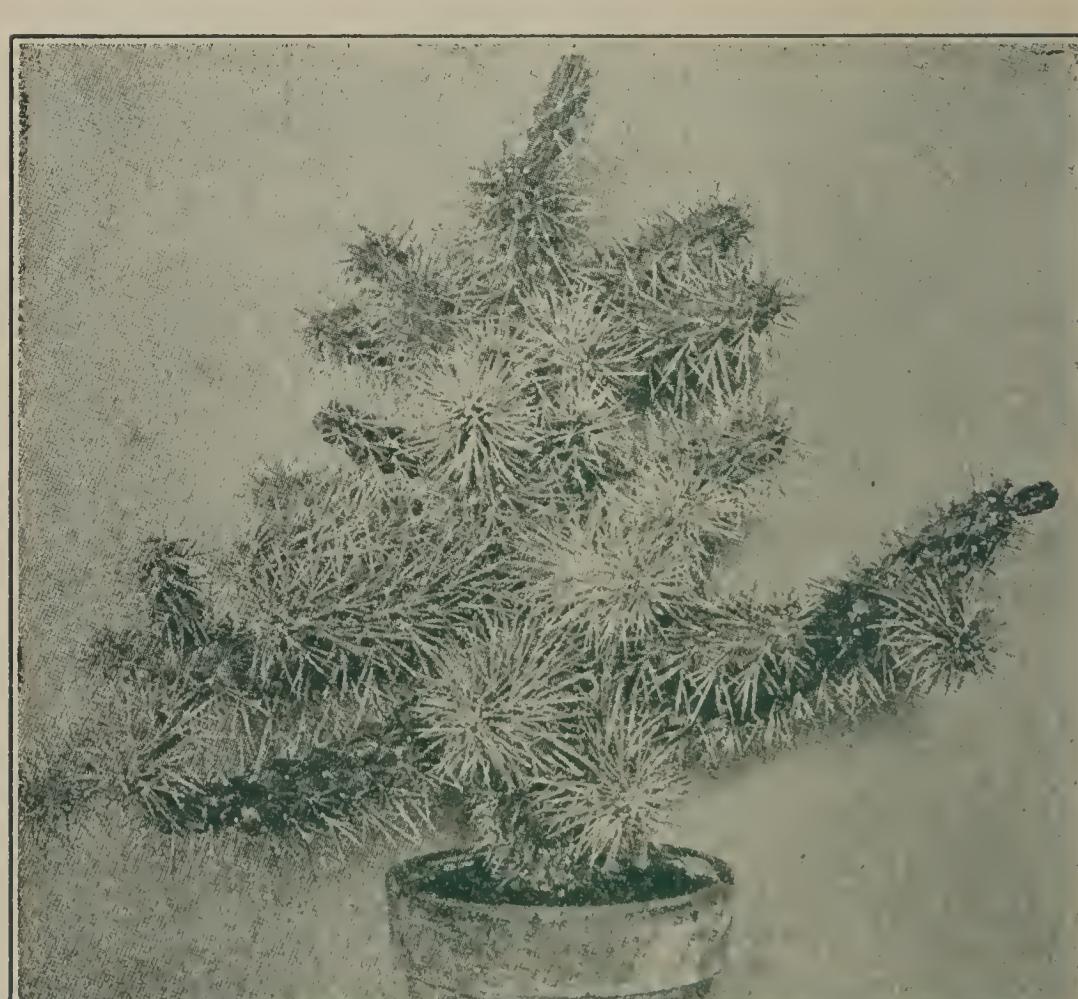


*Opuntia davisii*



*Opuntia glomerata*

*O. echinocarpa*. Calif. "Silver and Gold Cholla" ....  
*O. floccosa*. Peru-Bolivia. "Polar Bear Cactus." Hardy. Globular to cylindric stems hidden by silky hair through which protrude yellow spines. Fls. yellow. Cuts ..... 25c  
*O. fulgida*. Arizona. ....  
*O. glomerata (Tephrocactus papryacanthus)*. Argentina. Has gray, paper spines on gray globes. Fls. white. Cuts 20c. .... Pl. 50c, graft on Op. \$1.00  
*O. invicta*. Beautiful broad white spines, rare, unusual. Plant. .75c  
*O. imbricata*. Colo. to Central Mexico. When kept properly trimmed this green, tree-like cactus is very ornamental, Fls. purple ..... 15c to \$1.00  
*O. kleiniae*. Texas. Slender; long yellow spines ....



*Opuntia tunicata*

*O. leptocaulis*. S. W. U. S. Slender easily detachable joints. Has lovely red fruit that give the plant the appearance of a holly bush. .... 15c to \$1.00

*O. mammillata*. Very tubercled. Arizona. ....

*O. parrishi*. S. Calif. and Ariz. A creeping, clavate plant. The new growth in the spring is very beautiful. Numerous flat, white spines. No cuts. .... 25c to \$1.00

*O. prolifera*. San Diego. Vicious cholla with easily detached joints. .... 15c up

*O. salmiana*. Brazil, Paraguay, Argentina. Slender, purplish stems. Fls. pale yellow to white. Fruits scarlet, persistent, prolific. Charming. ....



*Opuntia vestita*

*O. spinosior*. Ariz. Short spines, gray to brownish. Fls. purple, pink, yellow, white. .... 25c up

*O. subulata*. Argentina. Different from any native *Opuntia*. Round stems, pronounced, long, conic leaves. ....

*O. teres*. S. Amer. Attractive crimson fls. ....

*O. tesajo*. Lower Calif. Slender; long sheathed spines. Cuts. .... 15c

*O. tunicata*. Central Mexico, Ecuador, Peru, Chile. Very beautiful with white, sheathed spines sometimes dark red. ....

*O. vestita*. S. Amer. Slender stems covered with soft, white hairs. New growth has long, narrow, terete leaves. Rare. Cuts. .... 25c

*O. whipplei*. Ariz to Colo. Light spine sheaths, fls. yellow. ....

## PLATYOPUNTIA

*Opuntia* (*Platyopuntia* or flat branched types). Cuts at 10c ea. unless otherwise stated. Keep dry till rooted.

*O. aciculata*. Texas. Covered with many auburn glochids. Fls. of surpassing beauty. Cuts. .... 15c

*O. ammophila*. Fla. Spines reddish turning gray. Fls. bright yellow. ....

*O. angustata*. Ariz. Joints narrow; spines straw. ....

*O. antilleana*. W. Indies. Spines and fls. pure yellow. ....

*O. aurea*. Utah to Calif. Hardy. Yellow and apricot fls. ....



*Opuntia vaseyi* showing typical *Opuntia* flower

*O. basilaris*. Calif. The Beaver Tail. A lovely plant varying in color from grey green to soft purple. Matte finish. Magenta bloomer..... 15c to \$1.00  
*O. boldinghi*. Curacao to N. S. Amer. Few short, brown spines. Fls. rose .....

*O. bondata*. Smooth, blue, thick pads. Spineless.....

*O. brasiliensis*. Brazil, Paraguay, Peru, Argentina, Bolivia. A very fine, thin leaved, green *Opuntia* with a central trunk. Its form and its waxen-yellow fls. make it a desirable pot plant.

*O. canacapa* .....

*O. decumbens*. Mex. to Guatemala. Prostrate. Dark spot at each areole .....

*O. delicata*. Ariz. Glaucous; spines brown; fls. yellow.....

*O. dilleni*. S. Carolina to Cuba. Yellow spines and fls.....

*O. elata-obovata*. Paraguay. A lovely dark green, smooth surfaced plant with a few long spines. Flower of an apricot shade. Unusual .....

*O. engelmanni*. Ariz. to Durango. Almost round leaves very thick with stiff, flat, hard, white spines. Fls. yellow.....



*Opuntia basilaris*

*Opuntia microdasys*

*O. erinacea*. Ariz. to Calif. "The Grizzly Bear." Long, numerous, soft, thin spines giving it a hairy look. Fls. magenta to yellow. Cuts 10c, plants..... 25c to \$1.00  
*O. grandiflora*. Texas. Few spines. Large, yellow fls. with red centers. Cuts ..... 20c  
*O. gosseliniana*. Sonora and L. Calif. Glaucous, spines brown  
*O. hyptiacantha*. Oaxaca. Spines white, fls. red.....  
*O. leucotricha*. A very large stately variety with short, pure white hair-like spines. Large plants..... \$2.00  
*O. lindheimeri*. Texas and La. Spines pale yellow. Fls. yellow to red .....  
*O. linguiformis*. The peculiar cow's tongue cactus of Texas. Per leaf .....  
*O. microdasys*. N. Mexico. Covered with tiny, golden yellow glochids looking like velvet but dangerously deceptive. Small ones perfect in bowls..... 15c to \$1.00  
*O. milspaighi (Consolea)*. Cuts..... 50c  
*O. monacantha (vulgaris)*. Brazil. Thin pads with long, dark spines ..... 15c up  
*O. monacantha variegata*. The best seller because of its unusual marbled mosaic of color and design..... 15c up  
*O. moniliformis (Consolea haitiensis)*. Few yellowish spines. Fls. yellow to orange. Pads 4 in. by 25 in. forms a tree..... 50c  
*O. opuntia*. Eastern U. S. into Canada. Hardy, prostrate, fls. yellow. No cuts. Plants..... 35c  
*O. orbiculata (crinifer lanigera, senilis)*. Mexico. Grown under glass covered with white hair; in open has yellow spines only .....  
*O. piscata* .....  
*O. pollardi*. N. C. to Miss. Prostrate, glaucous. Fls. yellow  
*O. pottsi*. Texas. Red flowered ..... 50c  
*O. pumila*. Mexico. Velvety, pubescens, small joints. Fls. reddish yellow .....  
*O. rafinesque (opuntia)*. Indiana. Hardy. Small green pads. Grows erect in summer but becomes procumbent in fall so that snow will not break it. No cuts..... 35c  
*O. retrorsa*. Argentina. A very charming dark green, shining, sprawling *Opuntia*. Each spine seems to cast a long purple shadow. The joints are flat but very thick and nearly round. Not common..... 15c to 25c  
*O. rubescens (Consolea)*. From Porto Rico. Smooth, dark green, almost spineless, rare and beautiful in shape. No cuts. 50c  
*O. rufida*. Texas and Mexico. Like *microdasys* but the spines are auburn and more widely spaced. A perfect harmony of color are those rich hues on a dark, green ground. Plants 25c to 50c  
*O. santa-rita*. Arizona. Purplish pads in winter. Sage green in growing season. Flowers golden yellow, as large as a water lily. Cuts, 10c. Pl. ..... 25c to \$1.00

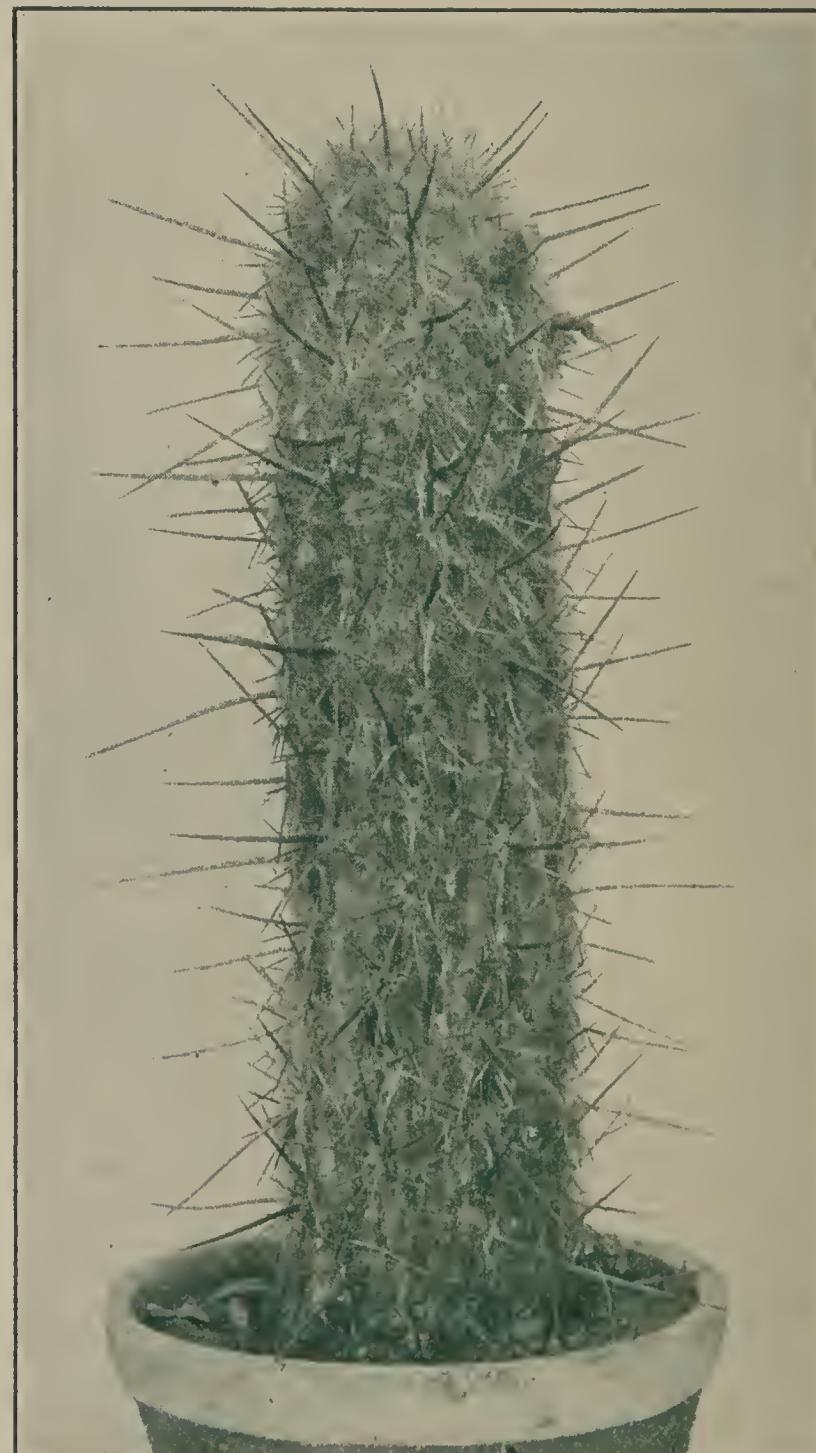
<i>O. scheeri</i> . Mexico. Almost covered with yellow, hair-like spines. Fls. yellow. Handsome. Cuts.....	15c
<i>O. stenopetala</i> . Mexico. Spines black. Fls. orange-red. Beautiful. Cuts .....	15c
<i>O. strigil</i> . Texas. Many reddish-brown spines and glochids..	
<i>O. sulphurea</i> . Argentina. Strikingly handsome. Cuts.....	15c
<i>O. tomentosa</i> . Mex. Short spines, velvety stems.....	
<i>O. tracyi</i> . Miss. to Fla. Small, oval pads with long, light spines and yellow fls. with green blotch.....	
<i>O. vaseyi</i> . S. Calif. Spines light brown, fls. deep salmon.....	
<i>O. whitneyana</i> var. <i>albiflora</i> . Hardy. Ruffled, white, many petaled fls. .....	

### OREOCEREUS

<i>Oreocereus celsianus</i> .. Bolivia. Brownish spines, long wooly hairs on top.....	35c to 75c
<i>O. fossulatus</i> . Argentina. Long, white wool and long yellow spines. A fine <i>Cereus</i> .....	25c to \$1.00
<i>O. trolli</i> . The hairiest of the three <i>Oreocereus</i> listed here. Exceptionally beautiful.....	25c to \$1.00

### PACHYCEREUS

<i>P. marginatus</i> . Mexico. "Organ Cactus." Smooth, green columns, usually 4 to 7 ribs with small spines regularly spaced on them. Used as hedges in Mexico.....	25c to \$7.50
<i>P. pecten-aboriginum</i> . Mexico. Giant. S. ....	25c to 50c
<i>P. pringlei</i> . Lower Calif. and Mexico. Similar to the <i>Carnegiea gigantea</i> but slenderer when young. One of the very largest cacti.....	\$1.00 to \$2.00
<i>Pelecyphora pseudopectinata</i> . Mexico. Grafted.....	\$1.00
<i>P. valdeziana</i> . Mexico. Dwarf.....	\$1.00
<i>Peniocereus greggi</i> . The strange night bloomer of the S. W. Enormous tuberous roots; slender, ribbed stems; big, white fls. Grows in shade. Does not do well unless grafted. Large grafted plants .....	\$1.00



*Oreocereus celsianus*

<i>P. johnsoni</i> . Lower Calif. Like the above with fewer ribs and more velvety stems. Rare. Large grafted	50c
<i>Parodia tabularis</i>	50c

### PERESKIA

*Pereskiae* are the first form in evolution from other plants to Cacti. Cuts only for sale, easily rooted.

<i>Pereskia bleo</i> . A shrub with dainty pink flowers and lovely spines. Cuts	25c
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<i>P. godseffiana</i> . The most beautiful one in coloring of the leaves. Supposed to have been a sport and to have originated in Australia. A fine hot house plant	\$1.00
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<i>P. grandifolia</i> . Brazil. Large rose (sometimes white) fls. Cuts	35c
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<i>P. moorei</i> . Brazil. Shrub with rosy fls. Very long spines. Cuts	35c
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<i>P. pereskia (aculeata)</i> . Tropical Amer. A vine looking like a bougainvillea but a true Cactus. Very sweet, yellow, waxen fls. Rapid grower. Cuts, 10c; plants	20c
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*Rebutia fiebrigii*

<i>P. rubescens</i> . Leaves reddish; cuts	10c
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The *Pereskiopsis* are the second step in evolution in Cacti.

<i>Pereskiopsis chapistle</i> . Branching with fleshy leaves and yellow flowers and red fruit. Mexico. Cuts	25c
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<i>P. deguitii</i> . Cuts	50c
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<i>P. porteri</i> . Lower Calif. and Mexico. Waxen yellow blooms, orange fruit, thick leaves, sprawling	25c
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<i>Porifira schwarzii</i> . Mexico. Dwarf	\$1.00
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<i>Pseudolobivia leucorhodantha</i> . 1½ to 2 in.	50c
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<i>P. lobivoides</i> . 1½ to 2 in.	50c
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### REBUTIA

*Rebutias* are small, free blooming, easily grown jewels from South America. They usually have short, soft spines and the brilliant fls. curve up from the lower part of the plant.

<i>R. aureiflora</i> . Grafted	50c
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<i>R. citrocarpa</i> . Grafted	35c and 50c
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<i>R. deminuta</i> . Fls. red. Small grafted	40c
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<i>R. einsteinii</i> . Grafted	30c
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<i>R. fiebrigii</i> . Bolivia. Scarlet fls.	25c
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<i>R. grandiflora</i> . Grafted	50c
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<i>R. kupperiana</i> . Grafted	75c
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<i>R. minuscula</i> . Clusters of green globes with fine scarlet fls. Free bloomer	15c to 50c
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<i>R. ourevnsis</i> . Grafted	35c to 60c
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<i>R. pseudodeminuta</i> . Forms dense clusters. Gold-bronze fls. Small grafted	75c
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var. <i>grandiflora</i> . Fls. large, small grafted	75c
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*Rebutia miniscula*

<i>R. pygmaea</i> ( <i>Lobivia</i> ). Argentina. A purplish colored little column with purple fls. Small grafted.....	25c
<i>R. senilis</i> . Bright red fls. and white pistils. Bristle-like spines. Small grafted .....	45c
var. <i>breviseta</i> . White bristles. Small grafted.....	45c
var. <i>steumeriana</i> . Setaceous white to gray spines. Very good. Small grafted .....	45c
<i>R. spegazziniana</i> . Fls. blood-red, large. Small grafted.....	75c
<i>R. steinmanni</i> . Bolivia. Small grafted.....	25c
<i>R. violaceiflora</i> . Small grafted .....	50c
<i>R. xanthocarpus</i> var. <i>citracarpa</i> . Large ruby fls. Small grafted. ....	35c to 50c
<i>Rhipsalis penduliflora</i> . New and Old World Tropics. "The Rice Cactus." An unusual plant good for hanging baskets. ....	15c to 50c
<i>Roseocereus tephraeanthus</i> .....	50c

### SELENICEREUS

The *Selenicerei* are slender climbers. The flowers are white and in some varieties are as large as a dinner plate. Nocturnal.

<i>S. boeckmanii</i> .....	35c
<i>S. grandiflorus</i> . Mexico. Handsome, fragrant fls. ....	50c
<i>S. hamatus</i> ( <i>rostratus</i> ). Mexico. A curious one that looks as if it were growing upside down. Blooms very beautiful and fragrant.....	25c to \$1.00
<i>S. macdonaldiae</i> . Uruguay. Lovely big blooms.....	15c to 50c
<i>S. murillii</i> .....	25c
<i>S. nelsonii</i> .....	\$1.00
<i>S. pseudospinosus</i> .....	35c
<i>S. pteranthus</i> . Mexico. Large fls. with delicate fragrance. One of the very best. Bluish green to purple stems.....	25c to 50c
<i>S. spinulosus</i> .....	35c
<i>S. vagans</i> . Mexico. Slender, climbing.....	15c to 35c
<i>Strombocactus disciformis</i> .....	\$1.00
<i>S. schmiedickianus</i> .....	\$1.00
<i>S. pseudo-macrohele</i> . Dwarf .....	\$1.00

### STENOCACTUS (ECHINOFOSSULOCACTUS)

An interesting Mexican genus, the plants having numerous ribs (from 10 to 122) usually wavy. Require calcareous soil.

<i>Stenocactus acroacanthus</i> . Average 3 in. ....	\$1.00
<i>S. anfractuosus</i> . About 35 ribs. S. 25c.....	\$1.00
<i>S. arrigens</i> .....	\$1.00
<i>S. bicolor</i> . Flat spines; ribs 33. S. 25c.....	\$1.00
<i>S. carneus</i> . Few long spines; ribs 34. S. 25c.....	\$1.00
<i>S. coptonogonus</i> .....	\$1.00
<i>S. crispatus</i> . Spines light. Ribs about 25; fls. purple. S. 25c.....	\$1.00
<i>S. densispinus</i> .....	\$1.00
<i>S. esperanzensis</i> . Small; ribs about 51. S. 25c.....	\$1.00
<i>S. flavispinus</i> . Long, light spines; ribs 30. S. 25c.....	\$1.00
<i>S. flexispinus</i> .....	\$1.00
<i>S. gladiatus</i> .....	\$1.00
<i>S. grandicornis</i> . Ribs 34 to 35. Fls. whitish purple. S. 25c.....	\$1.00
<i>S. grisacanthus</i> . Light, slender spines. Ribs 34. S. 25c.....	\$1.00
<i>S. hastatus</i> .....	\$1.00
<i>S. lammellosus</i> . Few ecru spines. One spear-like standing straight up. Ribs 30. S. 25c.....	75c to \$1.00

*Stenocactus crispatus*

<i>S. lancifer</i> .....	\$1.00
<i>S. latispinus</i> .....	\$1.00
<i>S. longispinus</i> .....	\$1.00
<i>S. multicostatus</i> . White radials covering 100 or more ribs; few, brown centrals .....	\$1.00
<i>S. ochoterenaus</i> . Dark gray spines; ribs 34 .....	\$1.00
<i>S. pentacanthus</i> . Ribs 25 to 50; fls. deep violet. S. 25c .....	\$1.00
<i>S. phyllacanthus</i> . Ribs 30 to 35. Fls. yellowish. S. 25c .....	\$1.00
<i>S. polylophus</i> .....	\$1.00
<i>S. rectospinus</i> . Long, light brown, flattened spines. Radials white. Ribs 35 .....	\$1.00
<i>S. robustus</i> . Few heavy spines; ribs 35. S. 25c .....	\$1.00
<i>S. sphacelatus</i> .....	\$1.00
<i>S. vaupelianus</i> . White radials, brown spines; ribs 50. S. 25c .....	\$1.00
<i>S. zacatacasensis</i> .....	\$1.00

*Stetsonia coryne*

*Stetsonia coryne*. One of the most striking of S. Amer. cacti.  
3 yr. old seedlings.....35c to 50c

## THELOCACTUS

Globular with rather inconspicuous ribs and fine flowers.

<i>Thelocactus bicolor</i> .	Lovely frilled blossoms.	15c to 35c
<i>T. bicolor tricolor</i>		\$1.00
<i>T. bueckii</i>		\$1.00
<i>T. fossulatus</i>		\$1.00
<i>T. hastiformis</i>		\$1.00
<i>T. hexaedrophorus</i> . Mexico		\$1.00
<i>T. knuthiana</i>		\$1.00
<i>T. leucanthus</i>		\$1.00
<i>T. longispina</i>		50c to \$1.00
<i>T. pectinatus</i>		50c to \$1.00
<i>T. phymatothele</i>		\$1.00
<i>T. porrectus</i> . Mexico. Ribs rounded. Spines brown.	35c to \$1.00	
<i>T. rinconensis</i>		\$1.00
<i>T. saussieri</i>		50c
<i>Toumeya papyracantha</i> . Grafted		50c
<i>Trichocereus bridgesi</i> . Bolivia. Hardy to 30 F. Stems green; few spines yellow; fls. white		40c
<i>T. candicans</i> . Argentina. Low heavy heads. Yellow spines. Large white fls.		25c to \$1.00
<i>T. chiloensis</i> . Chile. Dark green; heavy gray spines.	50c to \$1.00	
<i>T. huascha</i> . Argentina. Short spines; low grower; fls. yellow. Rare		50c to 75c
<i>T. lamprochlorous</i> . Argentina. Forms dense clusters; bright green; yellow spines; fine white fls.		50c
<i>T. macrogonus</i> . Few rounded ribs; long spines; fl. buds covered with black wool. Fls. white.		50c
<i>T. pachanoi</i> . Ecuador. Rounded, smooth, green ribs. Short spines. White fls. Very good		50c
<i>T. paraeana</i> . South America		25c to 50c
<i>T. pasacana</i> . Argentina and Bolivia. Hardy. Grows very large. In higher altitudes has white spines and wool; in lower brown spines only		25c to \$1.00
<i>T. poco</i> . Seedlings		25c
<i>T. schickendantzi</i> . Argentina. Low grower forming dense clumps. Fls. large, white		15c to \$1.50
<i>T. shaferi</i> . Argentina. Low, columnar, forming offsets. Fls. white		35c



*Schlumbergera gaertneri*

## ZYGOCACTUS AND SCHLUMBERGERA

*Zygocactus* and *Schlumbergera*. (Crab Cactus). The *Zygocactus* differ from the *Schlumbergera* by having irregular fls. and broader petals.

<i>Schlumbergera gaertneri</i> (Easter Cactus). Scarlet fls.	50c to \$1.00
<i>S. russeliana</i> (Easter Cactus). Scarlet fls.	50c to \$1.00
<i>Zygocactus bicolor</i> . Red and white flowers.	50c to \$1.00
<i>Z. delicatus</i> . Fls. white. Rare. Nov. and Dec. flowering.	\$1.00
<i>Z. harrisonii</i> . Oct.-Nov. Deep violet. Grafted.	\$1.00
<i>Z. le reviv.</i> Dec. and Jan. violet. Grafted.	\$1.00
<i>Z. Mme. Chatney</i> (Thanksgiving cactus). Nov. salmon fls.	
	50c, 75c, \$1.00
<i>Z. Mons. E. Andree</i> . Nearly blue fls.	\$1.00
<i>Z. Mons. Chatney</i> . Dec. and Jan. Grafted.	\$1.00
<i>Z. roseus amabilis</i> . Red fls. Nov.	\$1.00
<i>Z. spectabilis carmineus</i> . Carmine fls. Nov.	\$1.00
<i>Z. truncatus</i> . Brazil. Xmas Cactus. Dec. Magenta fls.	25c to \$1.00
<i>Z. violaceus superbus</i> . Violet. Nov.	\$1.00

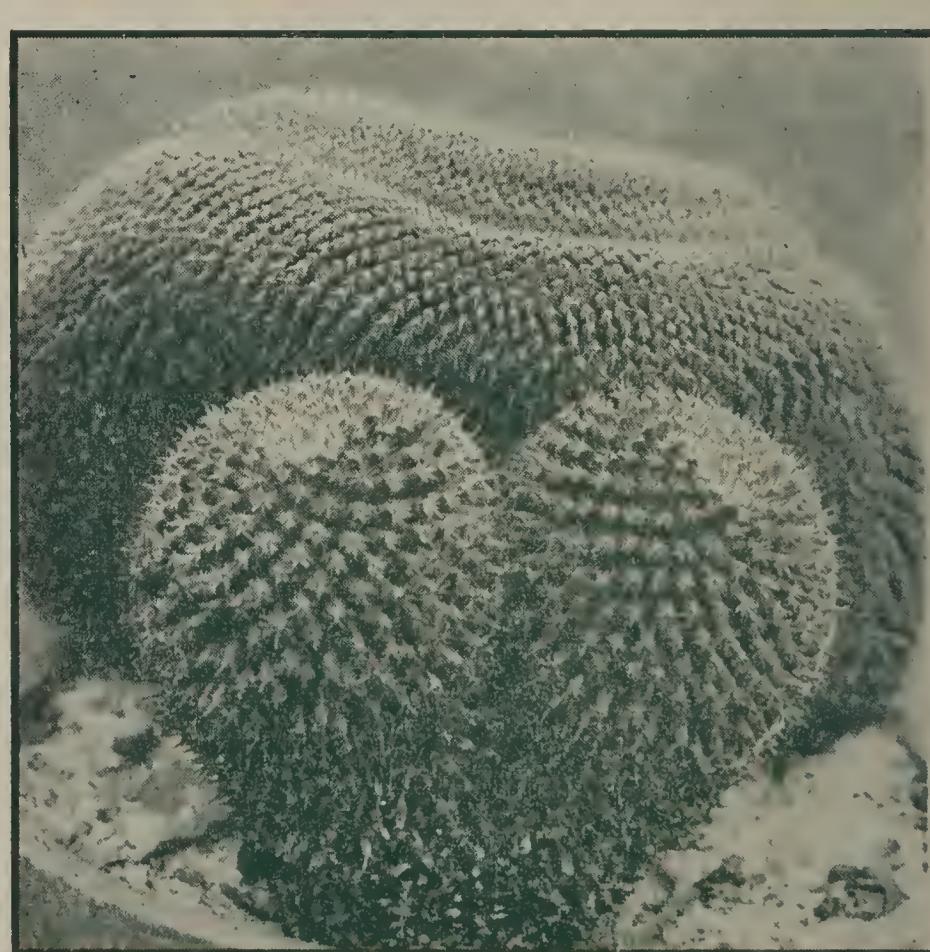
## CRISTATES

<i>Aeonium arborescens</i>	50c
<i>A. arborescens</i> var. <i>atropurpurea</i> . Beautiful, large plants.	
	50c, \$1.00
<i>A. tournifortii</i>	50c
<i>Aporocactus flagelliformis</i>	\$1.00
<i>Bergerocactus emoryi</i> . San Diego. Own roots or grafted beautiful golden	\$1.00 and \$2.00
<i>Chamaecereus crassicauli</i>	\$1.00
<i>C. sylvestrii</i>	\$1.00
<i>Cleistocactus baumanii</i>	\$1.00
<i>Coryphantha erecta</i>	\$1.00
<i>Echeveria baileyii</i>	\$1.00
<i>E. crenulata</i> . Own roots	50c and \$1.00
<i>E. globosa</i> . Mexico. Blue; own roots	35c
<i>Echinocereus berlandieri</i> . Texas. Vivid green	\$1.00
<i>E. chloranthus</i> . Texas. White woolly spines when grown under glass	\$1.00
<i>E. ehrenbergii</i>	\$1.00
<i>E. pectinatus</i>	\$1.00
<i>E. pectinatus adustus</i>	\$1.00



*Solisia pectinata crestata*

<i>E. reichenbachii</i>	.....	\$1.00
<i>E. rigidissimus</i>	.....	\$1.00
<i>E. stoloniferous</i>	.....	\$1.00
<i>Echinopsis multiplex</i> . Grafted	.....	50c and \$1.00
<i>E. multiplex variegata</i> . Very rare. Grafted	.....	\$5.00
<i>E. oxygona</i> . Brazil. Grafted	.....	75c to \$2.00
<i>E. tubiflora</i> . Argentina. Grafted	.....	50c
<i>Escobaria chihuahurensis</i>	.....	\$1.00
<i>Espostoa lanata</i>	.....	\$2.00
<i>Euphorbia caput medusae minor</i>	.....	75c
<i>E. regis-jubae</i> . Cuts, 50c. Plants	.....	\$1.00
<i>E. lactea</i> . Small grafted 75c; Specimen	.....	\$5.00
<i>Hickenia microsperma</i>	.....	\$1.00
<i>Mammillaria compressa</i> . Mexico. White spines	.....	\$1.00
<i>M. echinaria</i>	.....	\$1.00
<i>M. elegans</i>	.....	\$1.00
<i>M. elongata</i> var. <i>aurea</i>	.....	\$1.00 to \$2.00
<i>M. geminispina</i>	.....	\$1.00
<i>M. hidalgensis</i>	.....	\$1.00
<i>M. multiceps</i>	.....	\$1.00
<i>M. painterii</i>	.....	75c to \$1.50
<i>M. perbella</i>	.....	\$1.00
<i>M. pseudoperbella</i>	.....	\$1.25
<i>M. wildii</i>	.....	75c to \$1.50
<i>Neolloydia grandiflora</i> . Mexico. Small, white. Rapid grower	.....	\$1.00
<i>N. horripila</i>	.....	\$1.00
<i>Notocactus grossei</i>	.....	\$1.00
<i>N. ottonis</i>	.....	75c to \$1.00
<i>N. scopula</i> . Soft white spines. One of the best	.....	\$1.00 to \$5.00
<i>N. submammulosus</i>	.....	\$1.00
<i>Nyctocereus serpentinus</i>	.....	\$1.00
<i>Opuntia clavaroides</i> . Chile. Small, brown with minute spines	.....	\$1.00
<i>O. cylindrica</i> . Peru	.....	\$1.00
<i>O. serpentinus</i> . The club foot	.....	35c, 50c, \$1.00
<i>Pachyphytum oviforme</i>	.....	50c
<i>Phellosperma tetrancistra</i>	.....	\$1.00
<i>Rebutia miniscula</i>	.....	\$1.00
<i>Solisia pectinata</i> . Mexico. White appressed spines	.....	\$1.00
<i>Trichocereus spachianus</i>	.....	\$1.00



*Mammillaria perbella*, crestate and normal